

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptaul29sxx

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	AUG 15	CAOLD to be discontinued on December 31, 2008
NEWS	3	OCT 07	EPFULL enhanced with full implementation of EPC2000
NEWS	4	OCT 07	Multiple databases enhanced for more flexible patent number searching
NEWS	5	OCT 22	Current-awareness alert (SDI) setup and editing enhanced
NEWS	6	OCT 22	WPIDS, WPINDEX, and WPIX enhanced with Canadian PCT Applications
NEWS	7	OCT 24	CHEMLIST enhanced with intermediate list of pre-registered REACH substances
NEWS	8	NOV 21	CAS patent coverage to include exemplified prophetic substances identified in English-, French-, German-, and Japanese-language basic patents from 2004-present
NEWS	9	NOV 26	MARPAT enhanced with FSORT command
NEWS	10	NOV 26	MEDLINE year-end processing temporarily halts availability of new fully-indexed citations
NEWS	11	NOV 26	CHEMSAFE now available on STN Easy
NEWS	12	NOV 26	Two new SET commands increase convenience of STN searching
NEWS	13	DEC 01	ChemPort single article sales feature unavailable
NEWS	14	DEC 12	GBFULL now offers single source for full-text coverage of complete UK patent families
NEWS	15	DEC 17	Fifty-one pharmaceutical ingredients added to PS
NEWS EXPRESS	JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3, AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.		
NEWS HOURS	STN Operating Hours Plus Help Desk Availability		
NEWS LOGIN	Welcome Banner and News Items		
NEWS IPC8	For general information regarding STN implementation of IPC 8		

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 09:56:53 ON 29 DEC 2008

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 09:57:07 ON 29 DEC 2008

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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Property values tagged with IC are from the ZIC/VINITI data file  
provided by InfoChem.

STRUCTURE FILE UPDATES: 26 DEC 2008 HIGHEST RN 1090514-45-6

DICTIONARY FILE UPDATES: 26 DEC 2008 HIGHEST RN 1090514-45-6

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

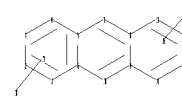
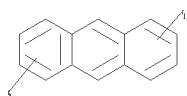
Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10993344.str



```

chain nodes :
15 16 17 18
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14
chain bonds :
15-16 17-18
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 8-11 9-10 9-14 11-12 12-13
13-14
exact/norm bonds :
15-16 17-18
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 8-11 9-10 9-14 11-12 12-13
13-14

```

G1:i-Pr,i-Bu,s-Bu,t-Bu

```

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom

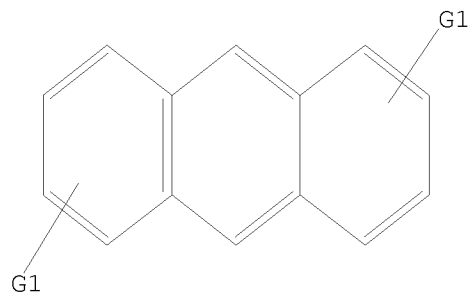
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L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR



G1 i-Pr, i-Bu, s-Bu, t-Bu

Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 09:57:26 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 2656 TO ITERATE

75.3% PROCESSED 2000 ITERATIONS

10 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.02

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 50029 TO 56211

PROJECTED ANSWERS: 47 TO 483

L2 10 SEA SSS SAM L1

=> d l2 5-10

L2 ANSWER 5 OF 10 REGISTRY COPYRIGHT 2008 ACS on STN

RN 683223-65-6 REGISTRY

ED Entered STN: 19 May 2004

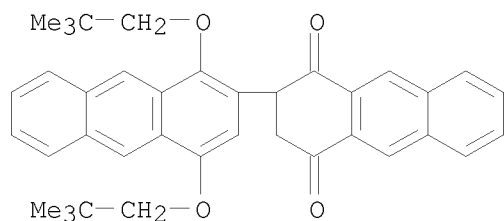
CN [2,2'-Bianthracene]-1,4-dione, 1',4'-bis(2,2-dimethylpropoxy)-2,3-dihydro-  
(CA INDEX NAME)

MF C38 H38 O4

SR Chemical Library

Supplier: Rare Chemicals GmbH

LC STN Files: CHEMCATS

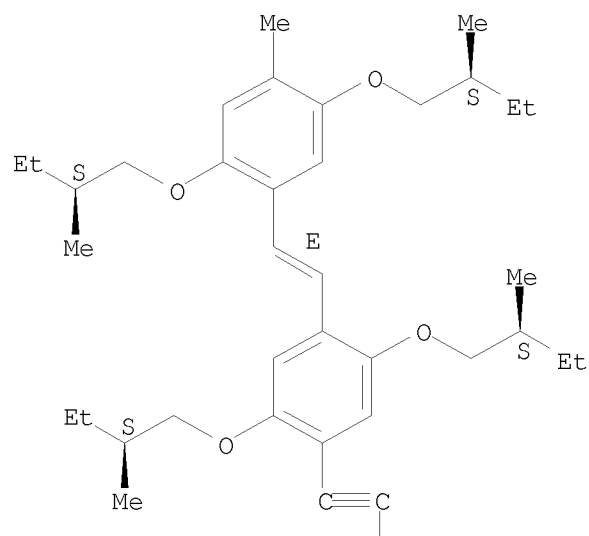


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

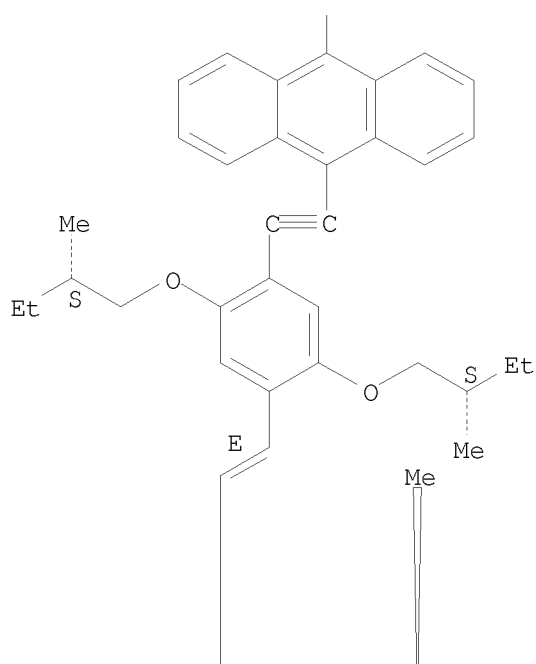
L2 ANSWER 6 OF 10 REGISTRY COPYRIGHT 2008 ACS on STN  
RN 413571-35-4 REGISTRY  
ED Entered STN: 12 May 2002  
CN Anthracene, 9,10-bis[2-[4-[(1E)-2-[4-methyl-2,5-bis[(2S)-2-methylbutoxy]phenyl]ethenyl]-2,5-bis[(2S)-2-methylbutoxy]phenyl]ethynyl]- (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Anthracene, 9,10-bis[[4-[(1E)-2-[4-methyl-2,5-bis[(2S)-2-methylbutoxy]phenyl]ethenyl]-2,5-bis[(2S)-2-methylbutoxy]phenyl]ethynyl]- (9CI)  
FS STEREOSEARCH  
MF C88 H114 O8  
SR CA  
LC STN Files: CA, CAPLUS

Absolute stereochemistry.  
Double bond geometry as shown.

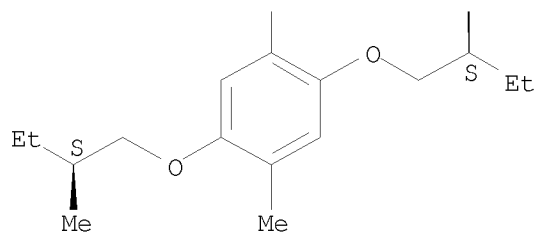
PAGE 1-A



PAGE 2-A



PAGE 3-A

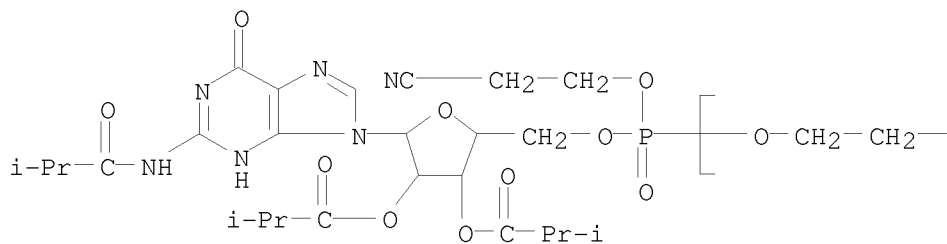


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

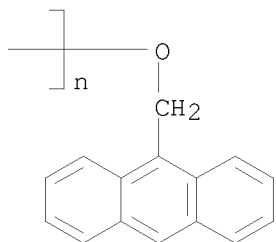
1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 7 OF 10 REGISTRY COPYRIGHT 2008 ACS on STN  
 RN 200575-29-7 REGISTRY  
 ED Entered STN: 29 Jan 1998  
 CN Poly(oxy-1,2-ethanediyl),  $\alpha$ -[P-(2-cyanoethyl)-N-(2-methyl-1-oxopropyl)-2',3'-bis-O-(2-methyl-1-oxopropyl)-5'-guanylyl]- $\omega$ -(9-anthracenylmethoxy)-(9CI) (CA INDEX NAME)  
 DR 222726-26-3  
 MF (C2 H4 O)<sub>n</sub> C40 H45 N6 O11 P  
 CI PMS  
 PCT Polyether  
 SR CA  
 LC STN Files: CA, CAPLUS

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2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 8 OF 10 REGISTRY COPYRIGHT 2008 ACS on STN  
RN 174850-82-9 REGISTRY  
ED Entered STN: 09 Apr 1996  
CN 1,2a,4a,6,7,8a,10a,12,13,14a,16a,18,19,20a,22a,24,25,26a,28a,30,31,32a,34a  
,36-Tetracosazaahexakiscyclopent[1,8]azuleno[5,6-a:5',6'-d:5'',6'''-  
g:5''',6''''-j:5''''',6''''''-m:5''''''',6''''''''-p]coronene-  
6a,8b,12a,14b,18a,20b,24a,26b,30a,32b,36a,36b-dodecacarboxylic acid,  
1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28  
,29,30,31,32,33,34,35,36-hexatriacontahydro-  
2,5,8,11,14,17,20,23,26,29,32,35-dodecaoxo-, dodecakis(3-methylbutyl)  
ester, (6a $\alpha$ ,8b $\alpha$ ,12a $\beta$ ,14b $\beta$ ,18a $\alpha$ ,20b $\alpha$ ,24a.  
beta.,26b $\beta$ ,30a $\alpha$ ,32b $\alpha$ ,36a $\beta$ ,36b $\beta$ )-, compd. with  
benzene (1:1) (9CI) (CA INDEX NAME)  
MF C132 H168 N24 O36 . C6 H6  
SR CA  
LC STN Files: CA, CAPLUS

CM 1

CRN 174782-72-0  
CMF C132 H168 N24 O36

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

CM 2

CRN 71-43-2  
CMF C6 H6



1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

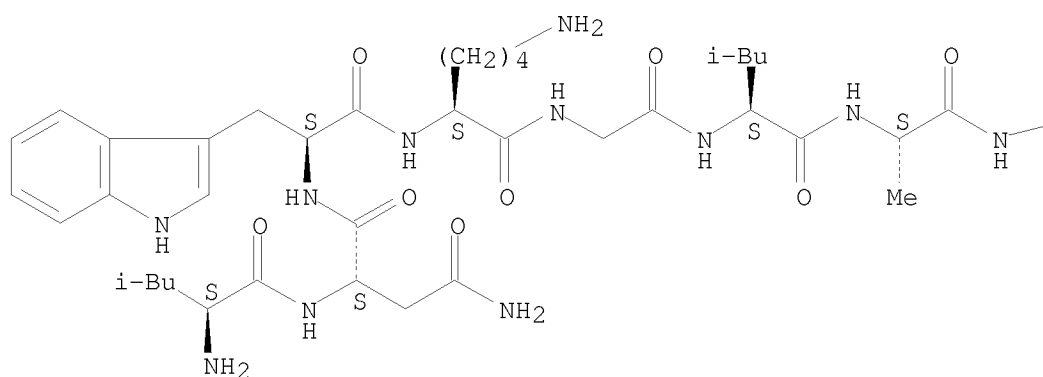


L2 ANSWER 9 OF 10 REGISTRY COPYRIGHT 2008 ACS on STN  
RN 159658-88-5 REGISTRY  
ED Entered STN: 20 Dec 1994  
CN L-Serinamide, L-leucyl-L-asparaginyl-L-tryptophyl-L-lysylglycyl-L-leucyl-L-alanyl-L-alanyl-L-leucyl-L-alanyl-L-lysyl-L-lysyl-L-leucyl-O-(9-anthracenylmethyl)- (9CI) (CA INDEX NAME)  
FS PROTEIN SEQUENCE; STEREOSEARCH  
MF C86 H132 N20 O16  
SR CA  
LC STN Files: CA, CAPLUS

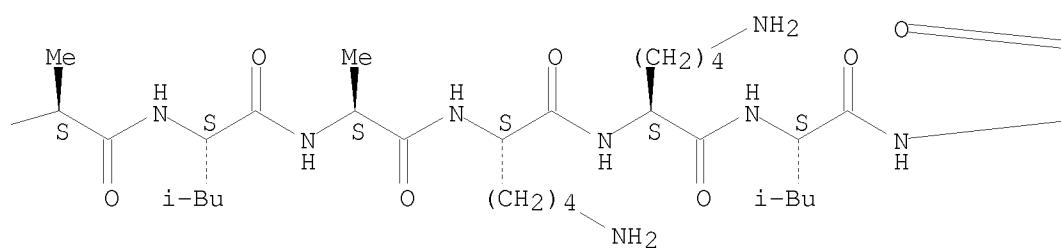
\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

Absolute stereochemistry.

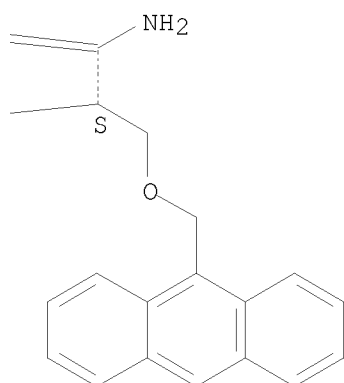
PAGE 1-A



PAGE 1-B



PAGE 1-C

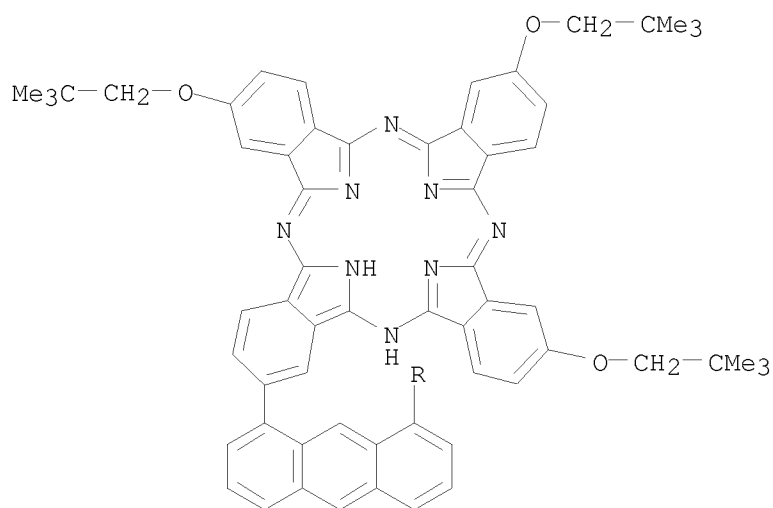


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

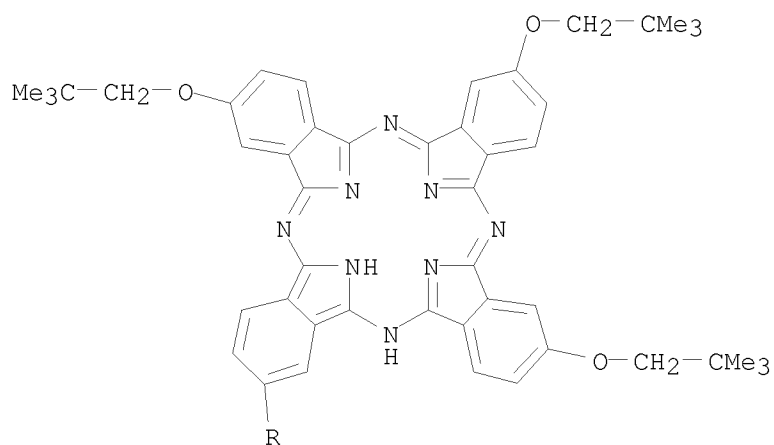
1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 10 OF 10 REGISTRY COPYRIGHT 2008 ACS on STN  
 RN 122504-55-6 REGISTRY  
 ED Entered STN: 01 Sep 1989  
 CN 29H,31H-Phthalocyanine, 2,2'-(1,8-anthracenediyl)bis[9,16,23-tris(2,2-dimethylpropoxy)- (9CI) (CA INDEX NAME)  
 MF C108 H102 N16 O6  
 SR CA  
 LC STN Files: BEILSTEIN\*, CA, CAPLUS, CASREACT, GMELIN\*  
 (\*File contains numerically searchable property data)

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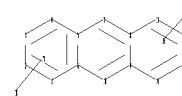
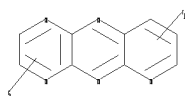


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=>

Uploading C:\Program Files\Stnexp\Queries\0993344.str



chain nodes :  
15 16 17 18  
ring nodes :  
1 2 3 4 5 6 7 8 9 10 11 12 13 14  
chain bonds :  
15-16 17-18  
ring bonds :  
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 8-11 9-10 9-14 11-12 12-13  
13-14  
exact/norm bonds :  
15-16 17-18  
normalized bonds :  
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 8-11 9-10 9-14 11-12 12-13  
13-14

G1:i-Pr,i-Bu,s-Bu,t-Bu

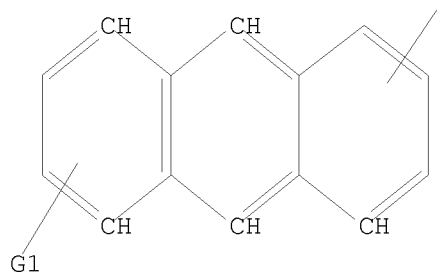
Match level :  
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom  
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom

L3 STRUCTURE UPLOADED

=> d

L3 HAS NO ANSWERS

L3 STR



G1 i-Pr, i-Bu, s-Bu, t-Bu

Structure attributes must be viewed using STN Express query preparation.

=> s 13

SAMPLE SEARCH INITIATED 09:59:10 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 2656 TO ITERATE

75.3% PROCESSED 2000 ITERATIONS

0 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 50029 TO 56211

PROJECTED ANSWERS: 0 TO 0

L4 0 SEA SSS SAM L3

=> s 13 ful

FULL SEARCH INITIATED 09:59:18 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 54073 TO ITERATE

100.0% PROCESSED 54073 ITERATIONS ( 22 INCOMPLETE)

39 ANSWERS

SEARCH TIME: 00.00.10

L5 39 SEA SSS FUL L3

=> d 15 20-39

L5 ANSWER 20 OF 39 REGISTRY COPYRIGHT 2008 ACS on STN

RN 503603-33-6 REGISTRY

ED Entered STN: 22 Apr 2003

CN Pentacene, 2,9-bis(3,5,5-trimethylhexyl)- (CA INDEX NAME)

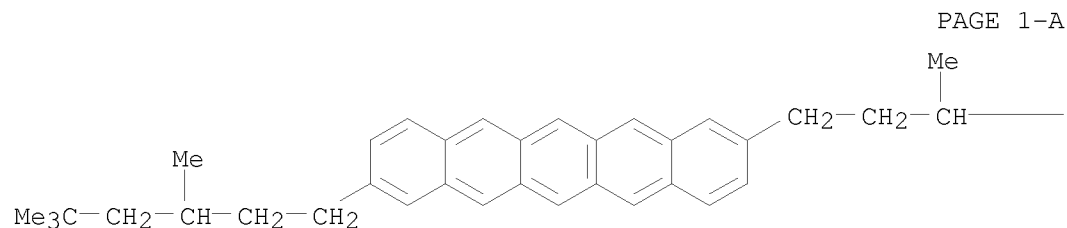
OTHER NAMES:

CN 2,9-Di(3,5,5-trimethylhexyl)pentacene

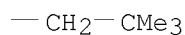
MF C40 H50

SR CA

LC STN Files: CA, CAPLUS, CASREACT, USPAT2, USPATFULL



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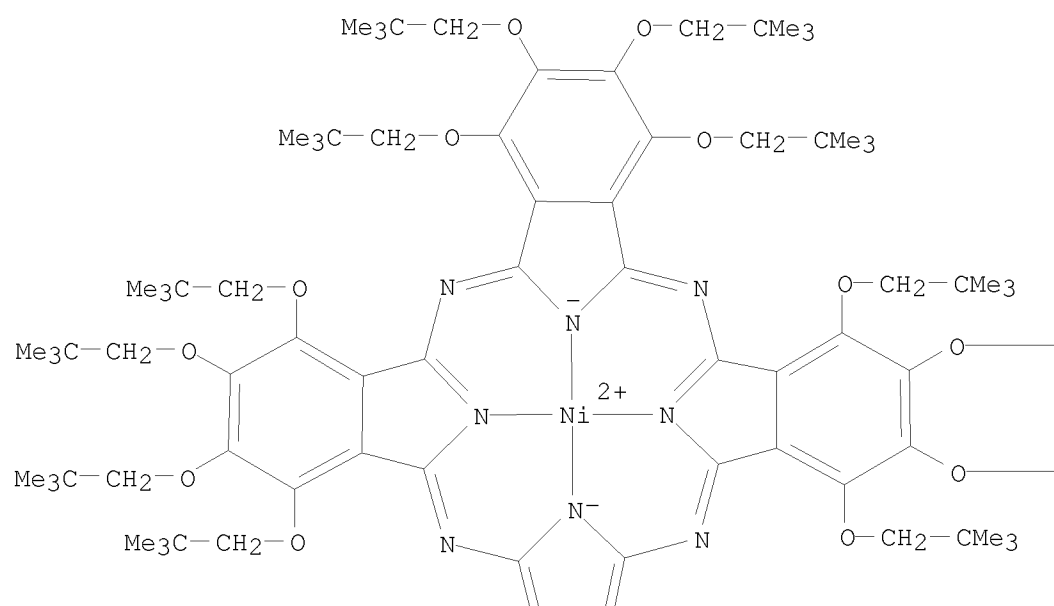


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

4 REFERENCES IN FILE CA (1907 TO DATE)  
4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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L5 ANSWER 21 OF 39 REGISTRY COPYRIGHT 2008 ACS on STN
RN 438187-98-5 REGISTRY
ED Entered STN: 11 Jul 2002
ITERATION INCOMPLETE
CN Nickel, [1,2,3,4,8,9,10,11,15,16,17,18,22,23,24,25-hexadecakis(2,2-
dimethylpropoxy)-29H,31H-phthalocyaninato(2-)-
κN29,κN30,κN31,κN32]-, (SP-4-1)- (9CI) (CA INDEX
NAME)
MF C112 H176 N8 Ni O16
CI CCS
SR CA
LC STN Files: CA, CAPLUS, CASREACT
```

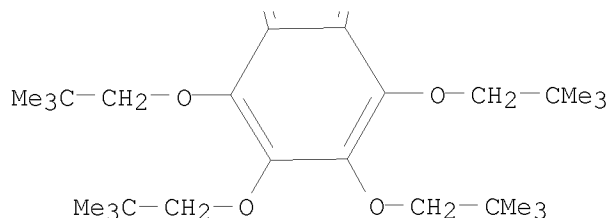
PAGE 1-A



PAGE 1-B

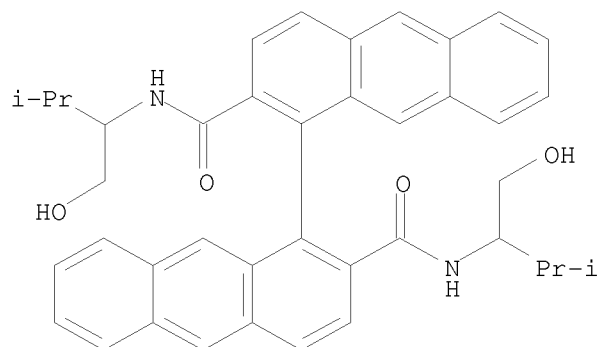
 $-\text{CH}_2-\text{CMe}_3$  $-\text{CH}_2-\text{CMe}_3$

PAGE 2-A



1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 22 OF 39 REGISTRY COPYRIGHT 2008 ACS on STN  
 RN 209003-57-6 REGISTRY  
 ED Entered STN: 26 Jul 1998  
 CN [1,1'-Bianthracene]-2,2'-dicarboxamide,  
 N,N'-bis[(1S)-1-(hydroxymethyl)-2-methylpropyl]-, (1S)- (9CI) (CA INDEX  
 NAME)  
 MF C40 H40 N2 O4  
 SR CA  
 LC STN Files: CA, CAPLUS, CASREACT

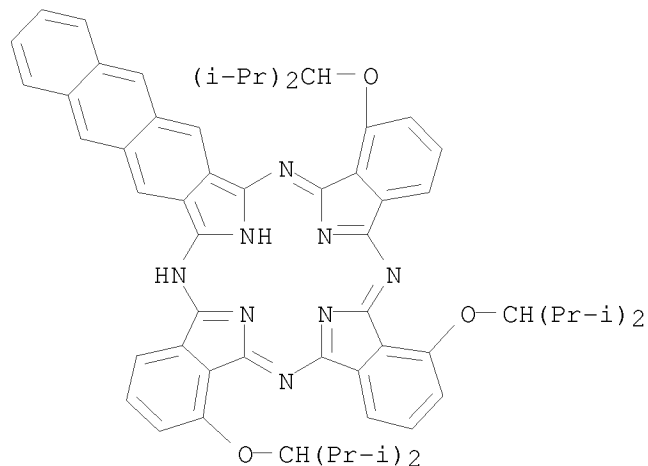


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 23 OF 39 REGISTRY COPYRIGHT 2008 ACS on STN  
 RN 194613-88-2 REGISTRY  
 ED Entered STN: 26 Sep 1997  
 CN 33H,35H-Anthra[2,3-b]tribenzo[g,l,q]porphyrazine,  
 1,8,15-tris[2-methyl-1-(1-methylethyl)propoxy]- (CA INDEX NAME)  
 MF C61 H64 N8 O3  
 SR CA  
 LC STN Files: CA, CAPLUS





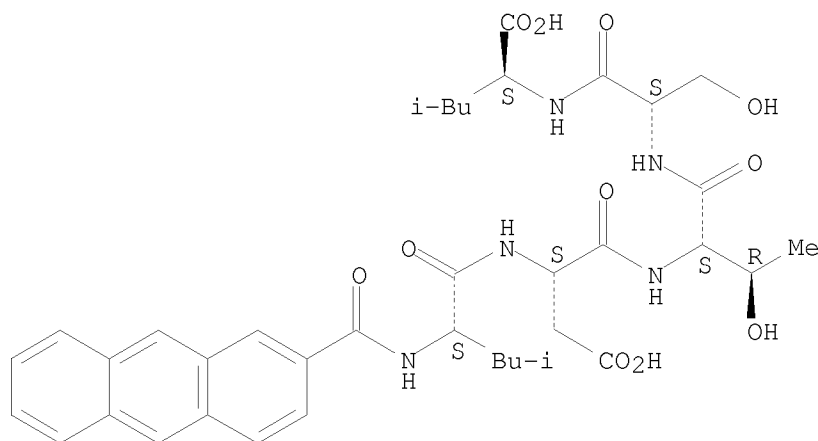
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

6 REFERENCES IN FILE CA (1907 TO DATE)  
6 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 24 OF 39 REGISTRY COPYRIGHT 2008 ACS on STN  
RN 193218-46-1 REGISTRY  
ED Entered STN: 28 Aug 1997  
CN L-Leucine, N-(2-anthracenylcarbonyl)-L-leucyl-L- $\alpha$ -aspartyl-L-threonyl-L-seryl- (9CI) (CA INDEX NAME)  
FS PROTEIN SEQUENCE; STEREOSEARCH  
MF C38 H49 N5 O11  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

Absolute stereochemistry.

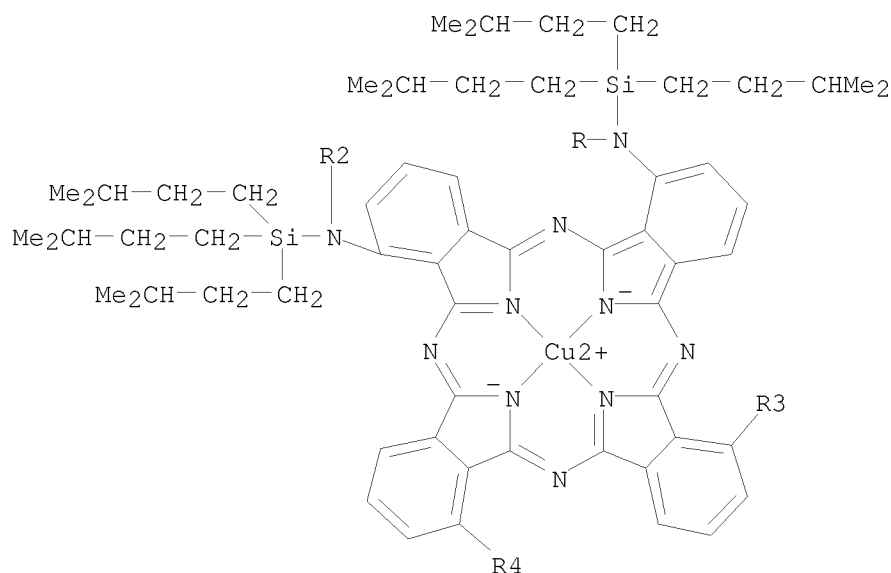


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

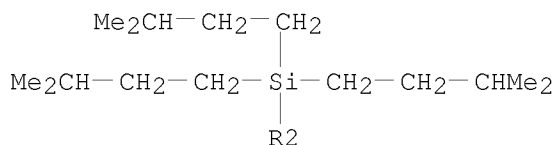
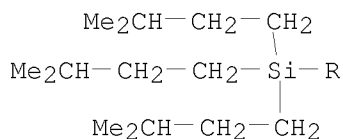
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 25 OF 39 REGISTRY COPYRIGHT 2008 ACS on STN  
RN 168637-02-3 REGISTRY  
ED Entered STN: 10 Oct 1995  
ITERATION INCOMPLETE  
CN Copper, [N,N,N',N',N'',N'',N''',N''''-octakis[tris(3-methylbutyl)silyl]-  
29H,31H-phthalocyanine-1,8,15,22-tetraminato(2-)-N29,N30,N31,N32]-,  
(SP-4-1)-(9CI) (CA INDEX NAME)  
MF C152 H276 Cu N12 Si8  
CI CCS  
SR CA  
LC STN Files: CA, CAPLUS

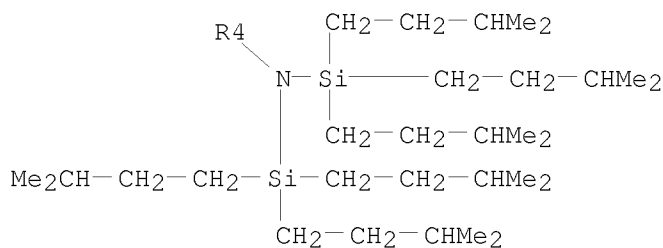
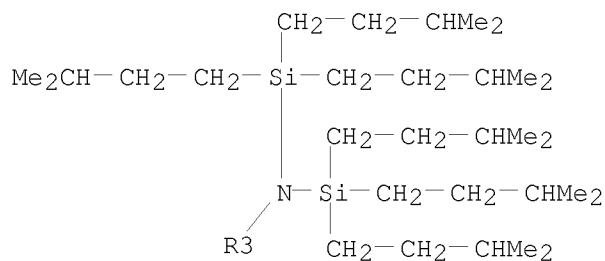
PAGE 1-A



PAGE 2-A



PAGE 3-A



1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 26 OF 39 REGISTRY COPYRIGHT 2008 ACS on STN

RN 119724-30-0 REGISTRY

ED Entered STN: 24 Mar 1989

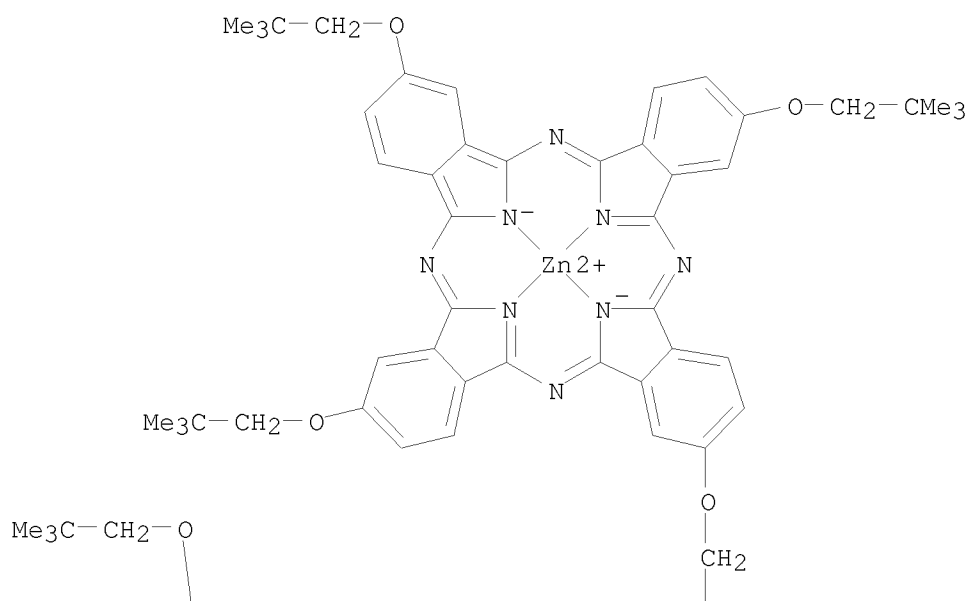
ITERATION INCOMPLETE

CN Zincate(6-), [ $\mu$ 4-[[2,2'-[[2,2-bis[[[9,16,23-tris(2,2-dimethylpropoxy)-29H,31H-phthalocyanin-2-yl]oxy]methyl]-1,3-propanediyl]bis(oxy)]bis[9,16,23-tris(2,2-dimethylpropoxy)-29H,31H-phthalocyaninato]](8-)-N29,N30,N31,N32:N29',N30',N31',N32':N29'',N30'',N31'',N32'':N29''',N30''',N31''',N32''']]tetra- (9CI) (CA INDEX NAME)

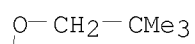
OTHER CA INDEX NAMES:

CN 29H,31H-Phthalocyanine, 2,2'-[[2,2-bis[[[9,16,23-tris(2,2-dimethylpropoxy)-  
29H,31H-phthalocyanin-2-yl]oxy]methyl]-1,3-  
propanediyl]bis(oxy)]bis[9,16,23-tris(2,2-dimethylpropoxy)-, zinc complex  
MF C193 H188 N32 O16 Zn4  
CI CCS  
SR CA  
LC STN Files: CA, CAPLUS

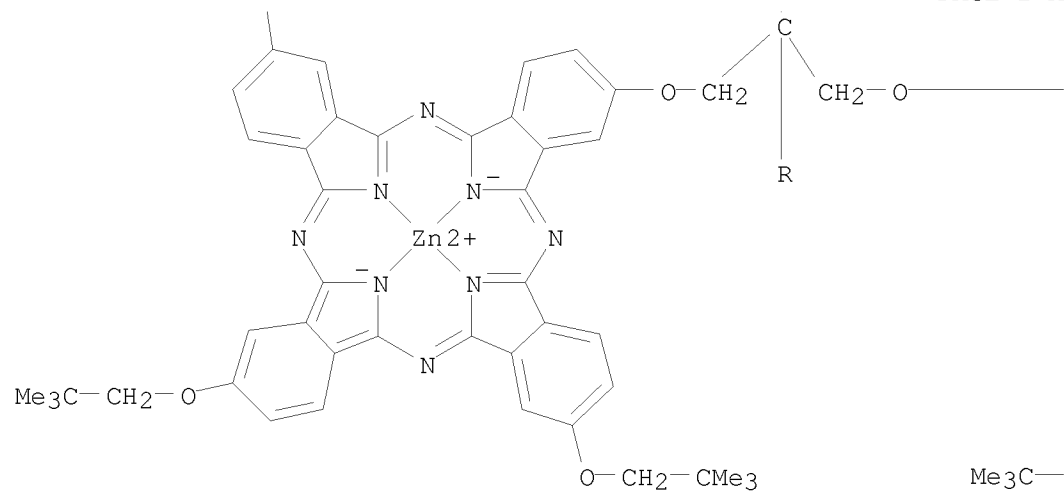
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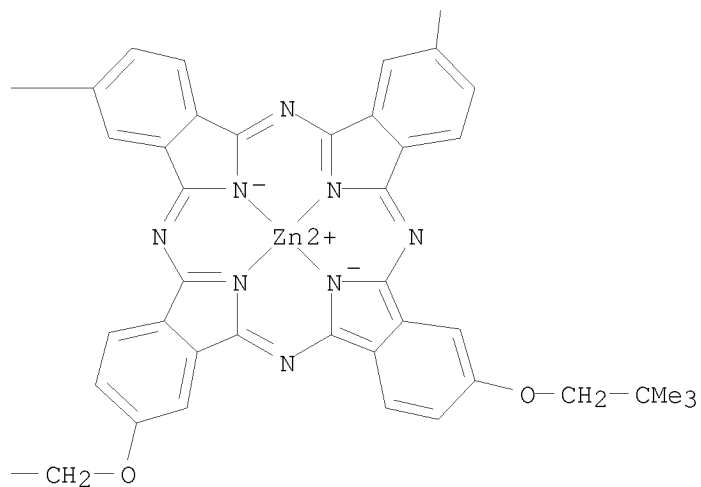
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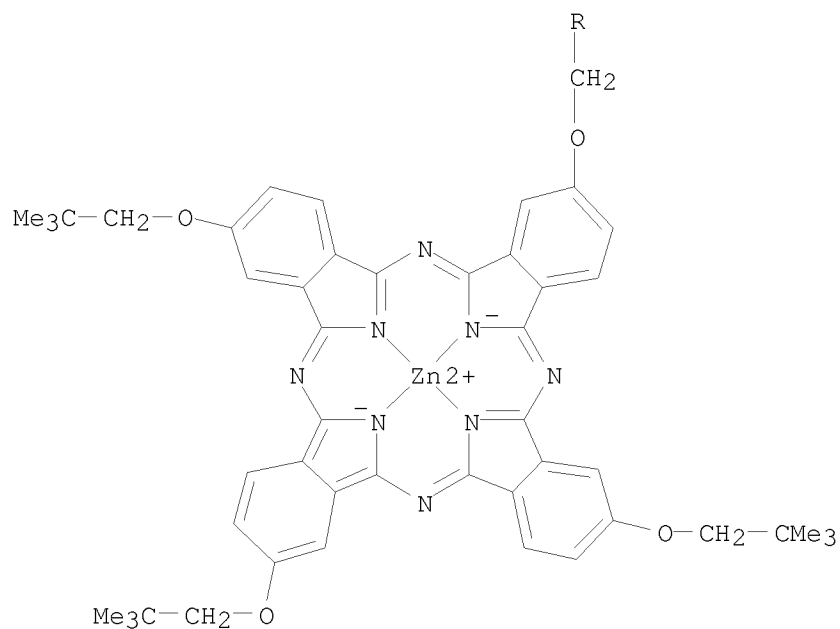
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 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

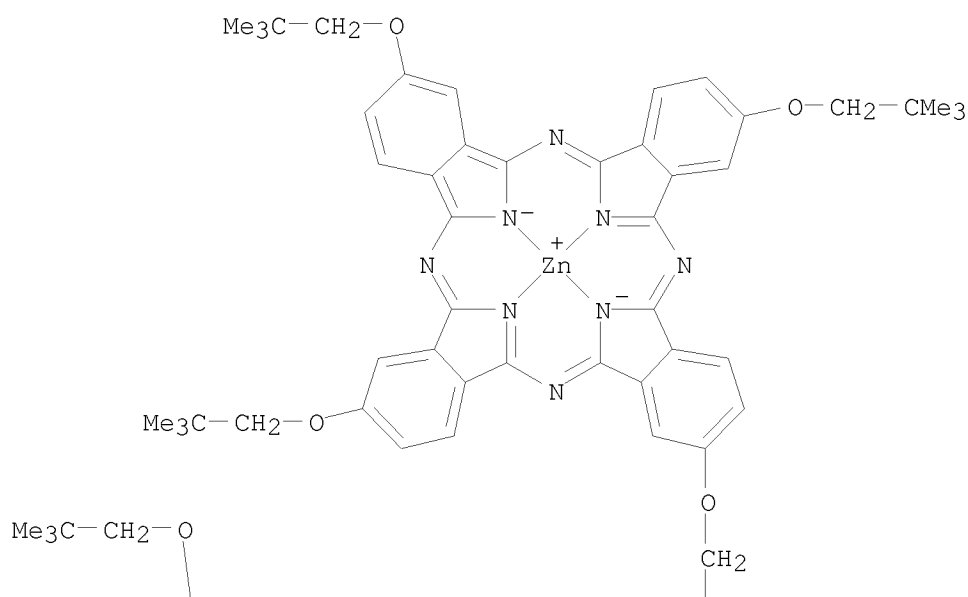
L5 ANSWER 27 OF 39 REGISTRY COPYRIGHT 2008 ACS on STN  
 RN 119724-29-7 REGISTRY  
 ED Entered STN: 24 Mar 1989  
 ITERATION INCOMPLETE  
 CN Zincate(4-), [ $\mu$ 4-[[2,2'-[[2,2-bis[[[9,16,23-tris(2,2-dimethylpropoxy)-29H,31H-phthalocyanin-2-yl]oxy]methyl]-1,3-

propanediyl]bis(oxy)]bis[9,16,23-tris(2,2-dimethylpropoxy)-29H,31H-phthalocyaninato]](8-)-N29,N30,N31,N32:N29',N30',N31',N32':N29'',N30'',N31'',N32'':N29''',N30''',N31''',N32''']]tetra- (9CI) (CA INDEX NAME)

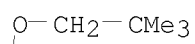
## OTHER CA INDEX NAMES:

CN 29H,31H-Phthalocyanine, 2,2'-[[2,2-bis[[[9,16,23-tris(2,2-dimethylpropoxy)-29H,31H-phthalocyanin-2-yl]oxy]methyl]-1,3-propanediyl]bis(oxy)]bis[9,16,23-tris(2,2-dimethylpropoxy)-, zinc complex  
 MF C193 H188 N32 O16 Zn4  
 CI CCS  
 SR CA  
 LC STN Files: CA, CAPLUS

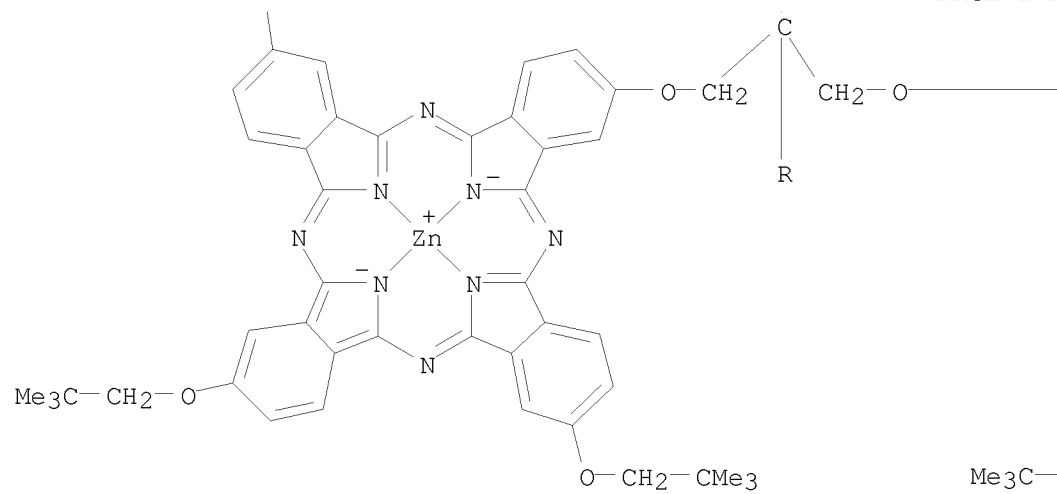
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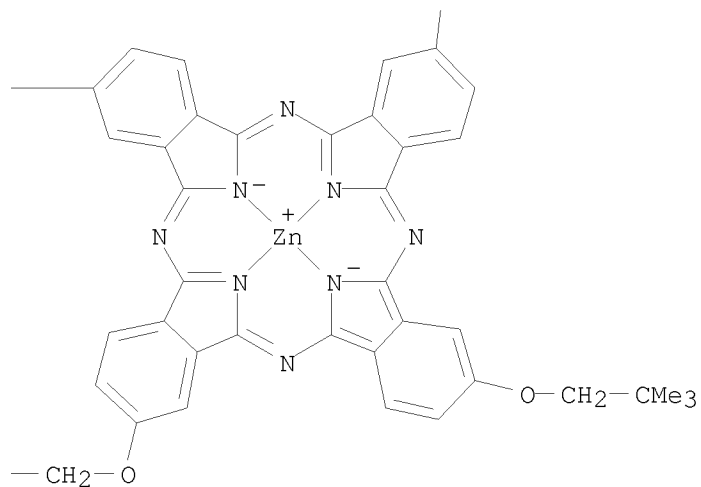


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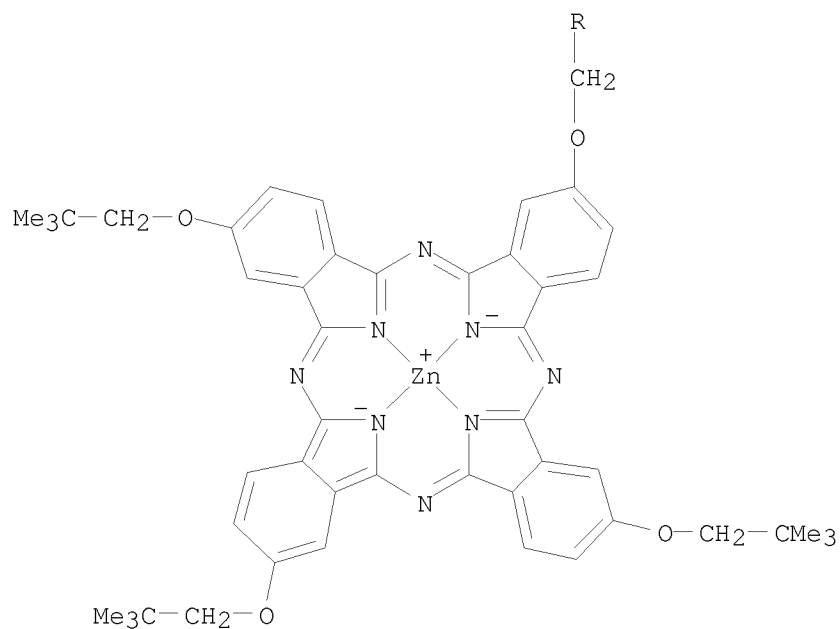




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1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 28 OF 39 REGISTRY COPYRIGHT 2008 ACS on STN

RN 119724-28-6 REGISTRY

ED Entered STN: 24 Mar 1989

ITERATION INCOMPLETE

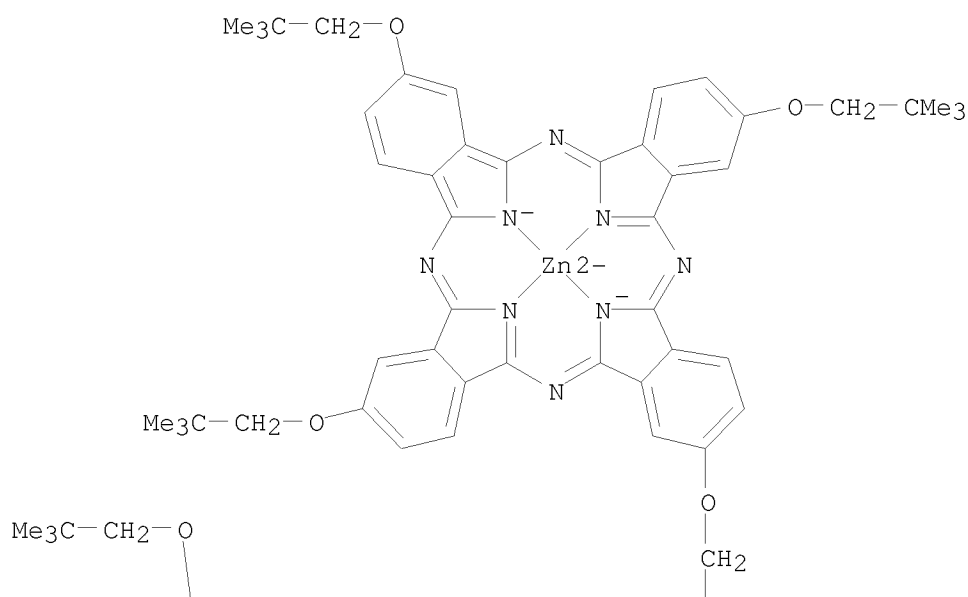
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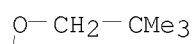
## OTHER CA INDEX NAMES:

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 MF C193 H188 N32 O16 Zn4  
 CI CCS  
 SR CA  
 LC STN Files: CA, CAPLUS

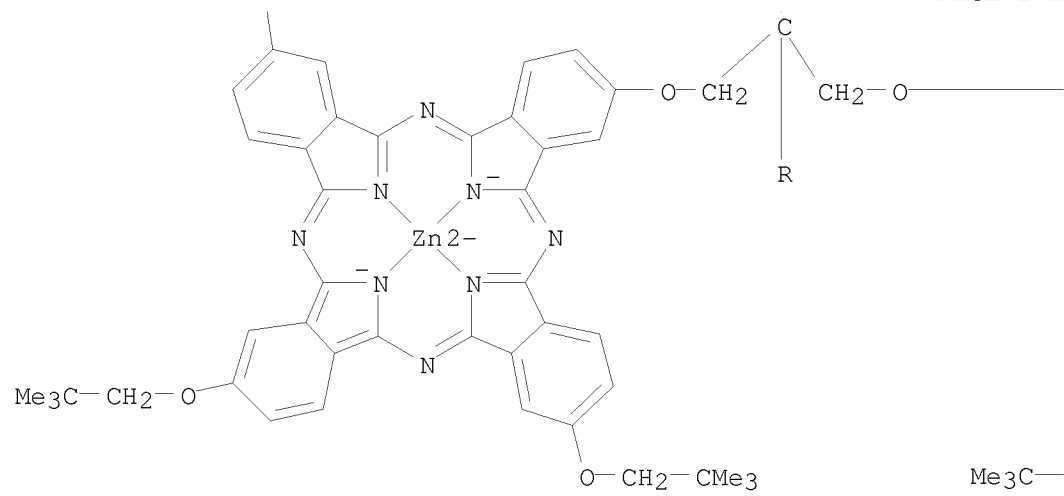
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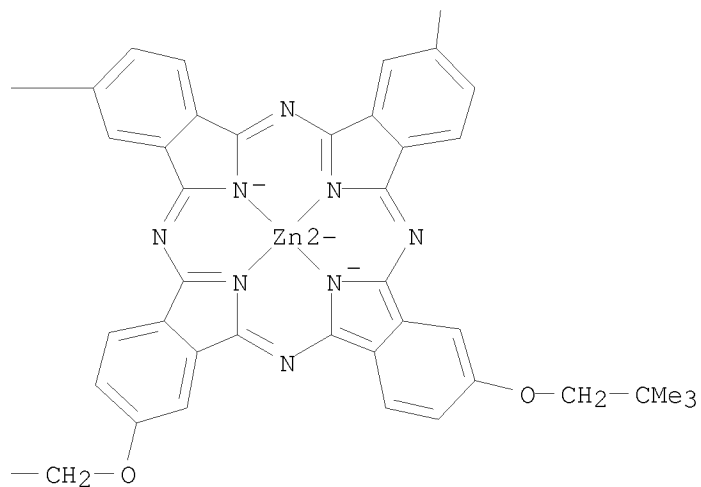
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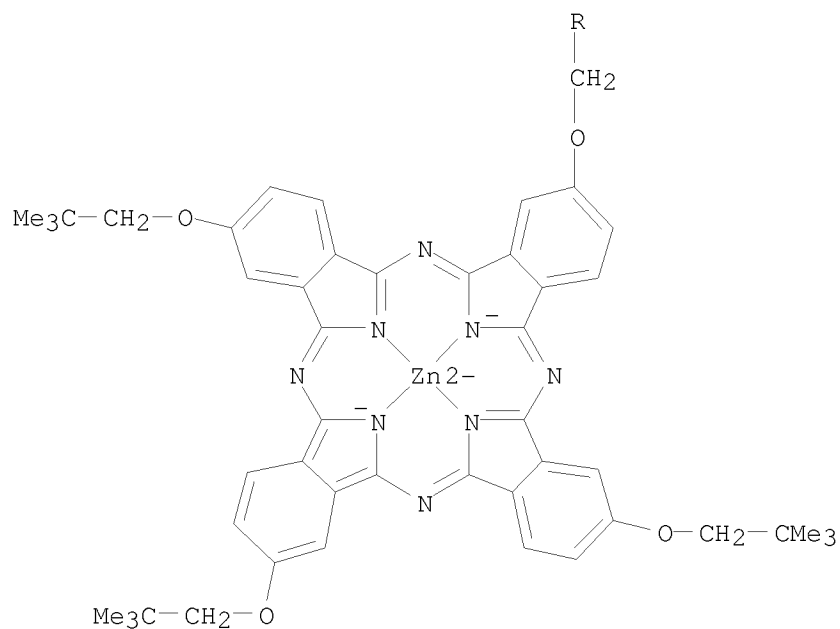
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 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

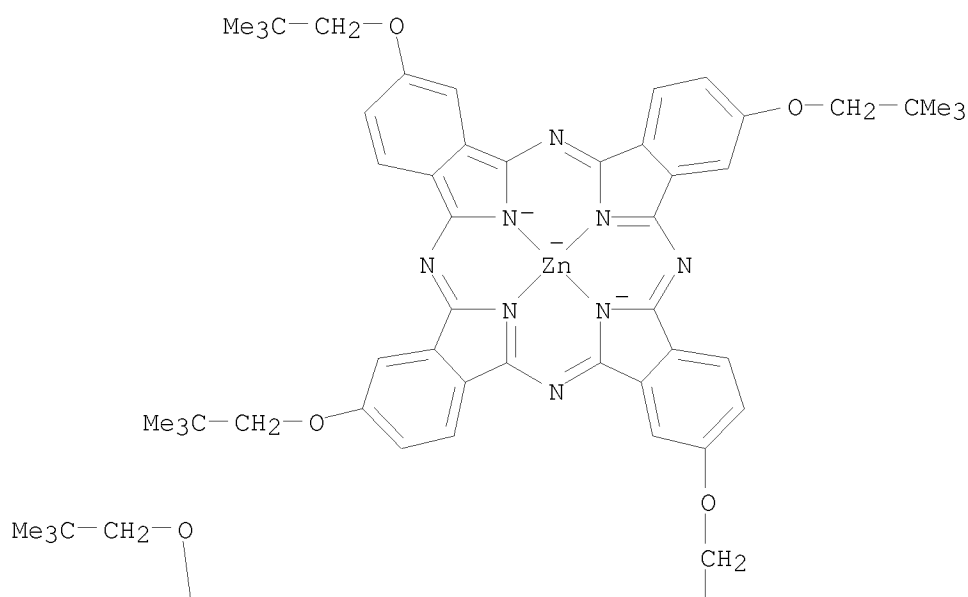
L5 ANSWER 29 OF 39 REGISTRY COPYRIGHT 2008 ACS on STN  
 RN 119724-27-5 REGISTRY  
 ED Entered STN: 24 Mar 1989  
 ITERATION INCOMPLETE  
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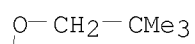
## OTHER CA INDEX NAMES:

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 CI CCS  
 SR CA  
 LC STN Files: CA, CAPLUS

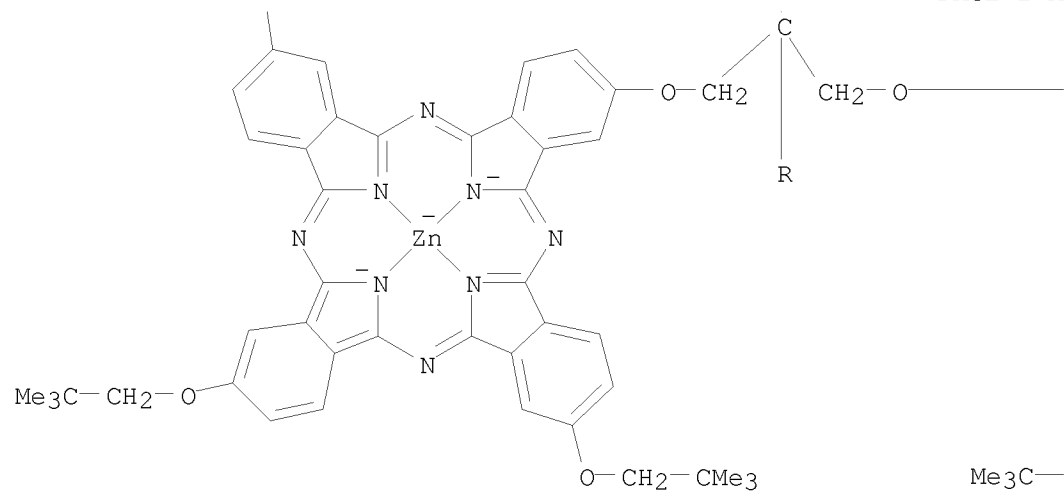
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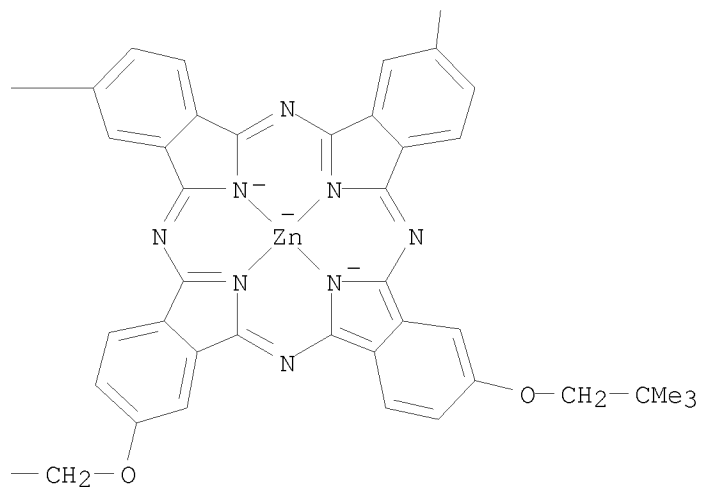
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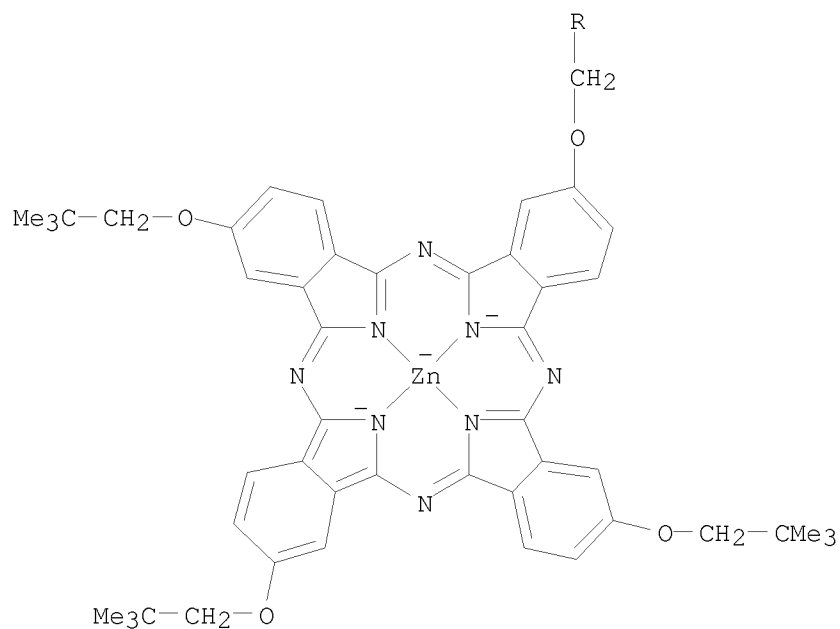
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1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 30 OF 39 REGISTRY COPYRIGHT 2008 ACS on STN

RN 119724-26-4 REGISTRY

ED Entered STN: 24 Mar 1989

ITERATION INCOMPLETE

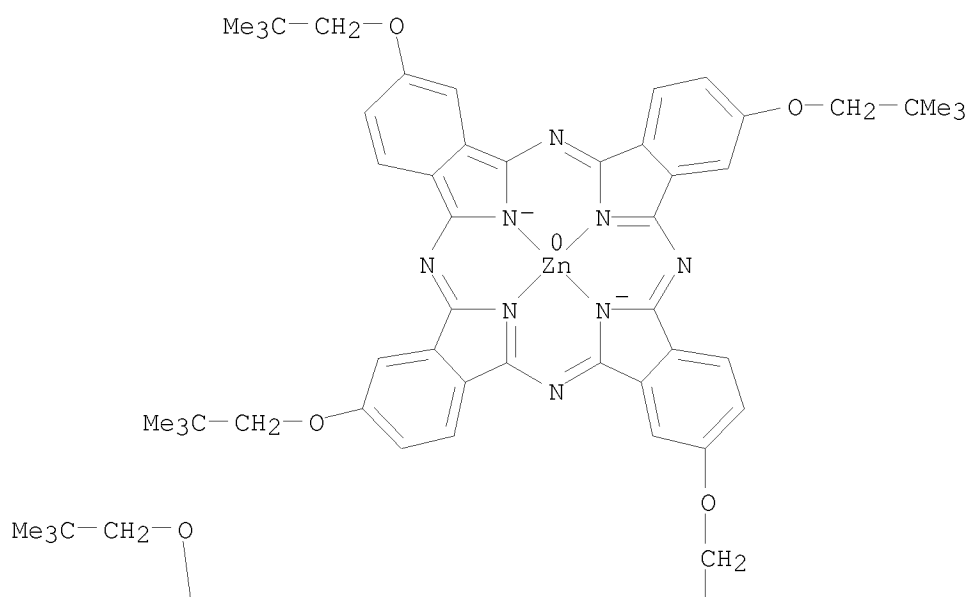
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propanediyl]bis(oxy)]bis[9,16,23-tris(2,2-dimethylpropoxy)-29H,31H-phthalocyaninato]](8-)-N29,N30,N31,N32:N29',N30',N31',N32':N29'',N30'',N31'',N32'':N29''',N30''',N31''',N32''']]tetra- (9CI) (CA INDEX NAME)

## OTHER CA INDEX NAMES:

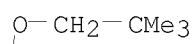
CN 29H,31H-Phthalocyanine, 2,2'-[[2,2-bis[[[9,16,23-tris(2,2-dimethylpropoxy)-29H,31H-phthalocyanin-2-yl]oxy]methyl]-1,3-propanediyl]bis(oxy)]bis[9,16,23-tris(2,2-dimethylpropoxy)-, zinc complex  
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 CI CCS  
 SR CA  
 LC STN Files: CA, CAPLUS

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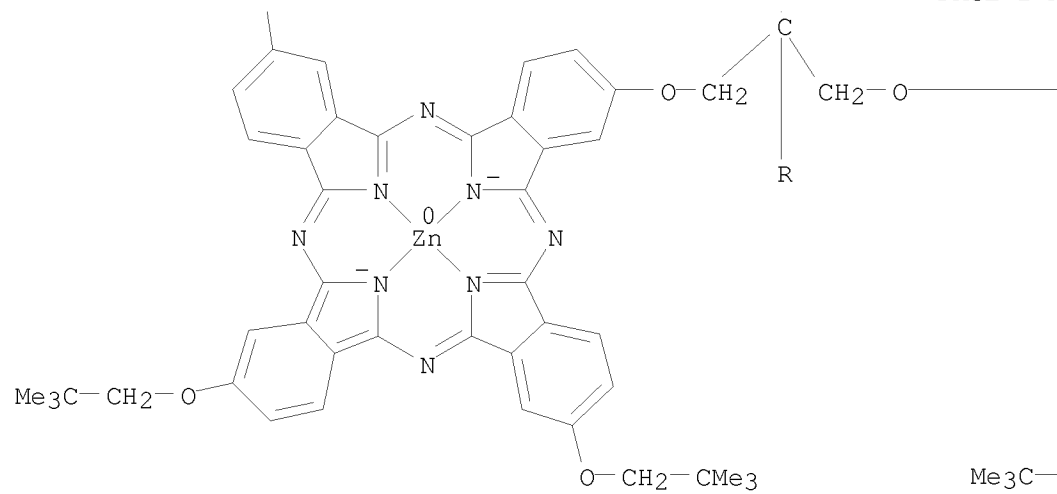




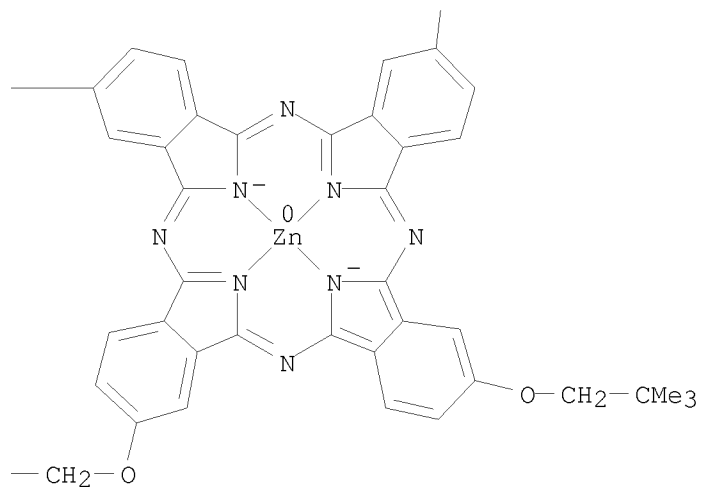
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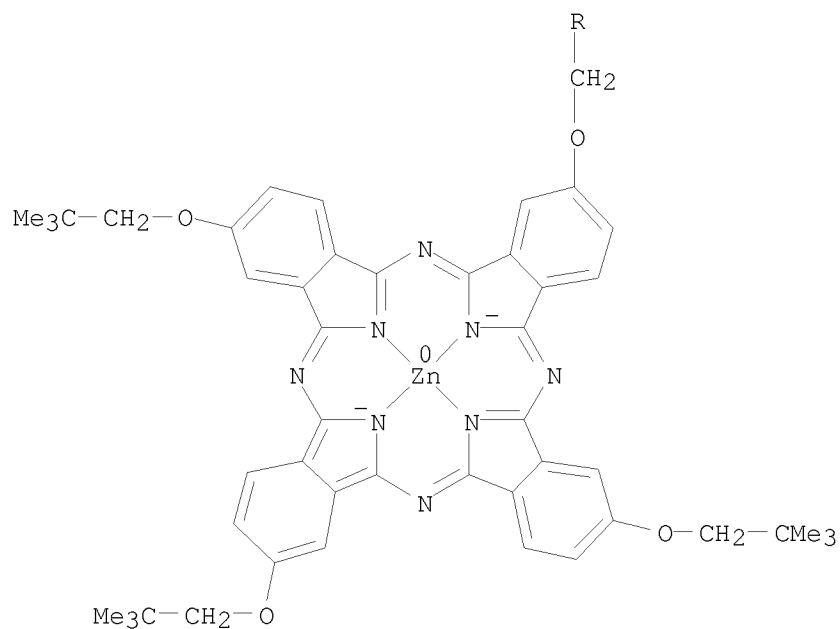
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L5 ANSWER 31 OF 39 REGISTRY COPYRIGHT 2008 ACS on STN  
 RN 106799-30-8 REGISTRY  
 ED Entered STN: 28 Feb 1987  
 ITERATION INCOMPLETE  
 CN 29H,31H-Phthalocyanine, 2,2'-[[2,2-bis[[[9,16,23-tris(2,2-dimethylpropoxy)-  
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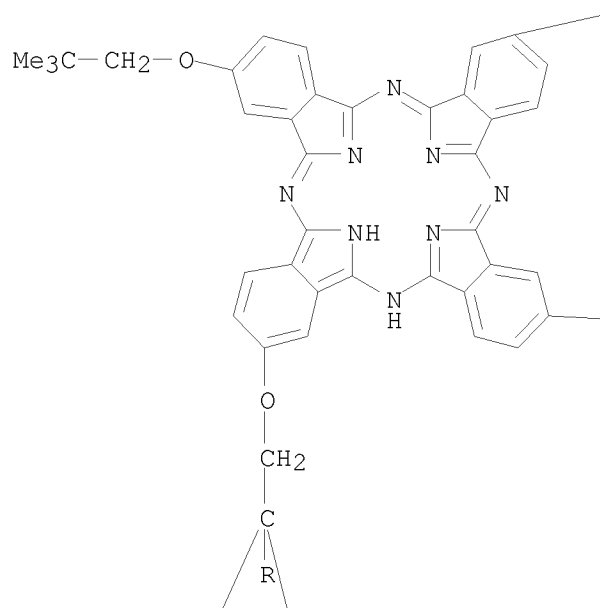
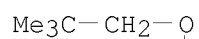
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INDEX NAME)

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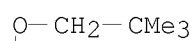
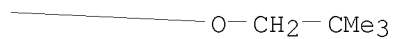
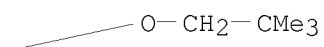
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LC STN Files: CA, CAPLUS

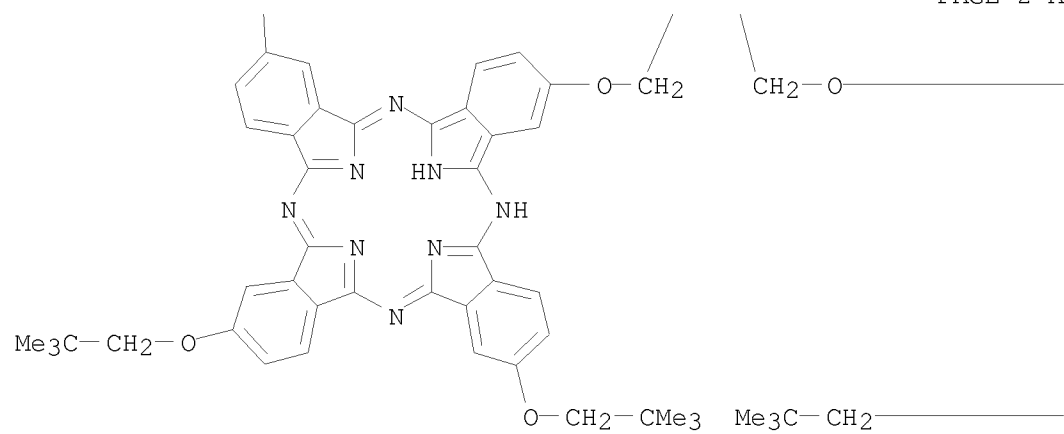
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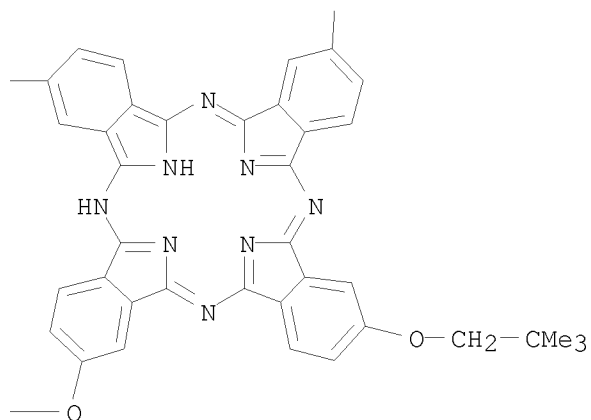
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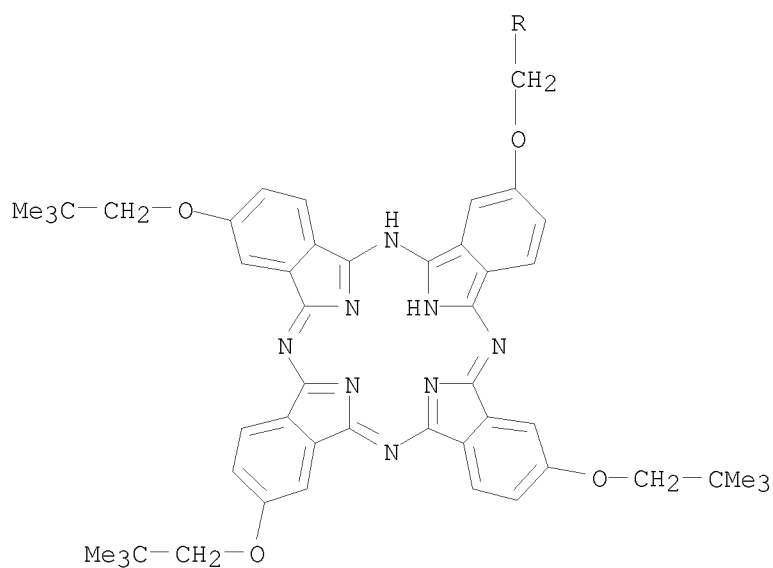
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\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

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3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

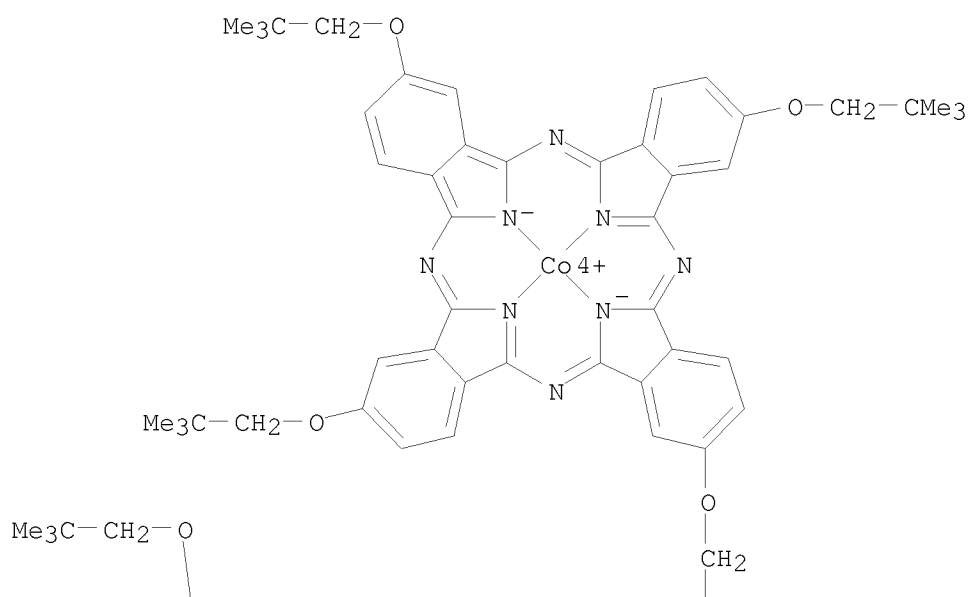
L5 ANSWER 32 OF 39 REGISTRY COPYRIGHT 2008 ACS on STN  
RN 106782-16-5 REGISTRY  
ED Entered STN: 21 Feb 1987  
ITERATION INCOMPLETE  
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phthalocyaninato]](8-)-N29,N30,N31,N32:N29',N30',N31',N32':N29'',N30'',N31'',N32'':N29''',N30''',N31''',N32''']]tetra- (9CI) (CA INDEX NAME)

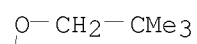
## OTHER CA INDEX NAMES:

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 MF C193 H188 Co4 N32 O16  
 CI CCS  
 SR CA  
 LC STN Files: CA, CAPLUS

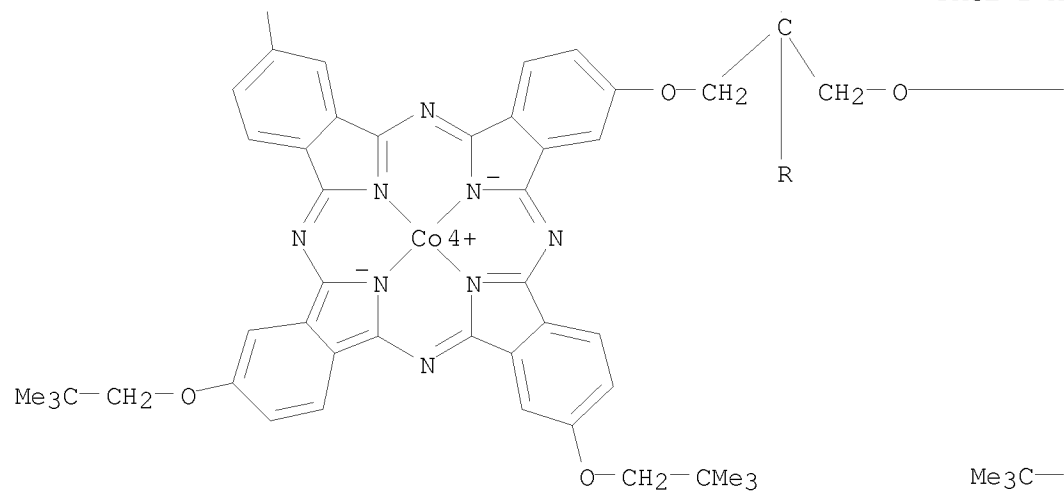
PAGE 1-A



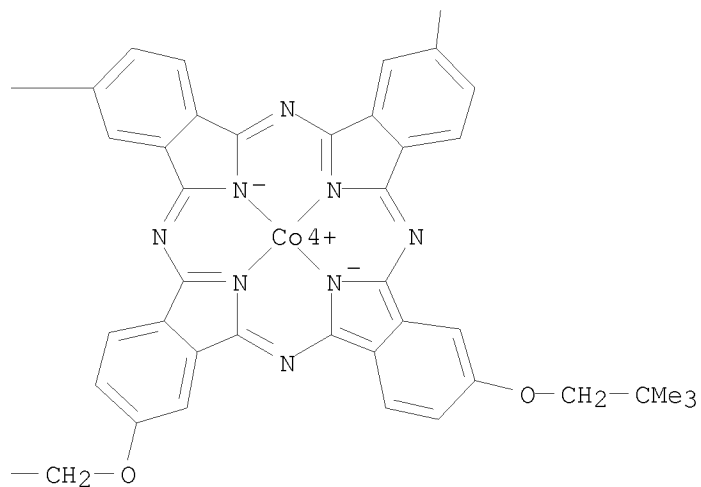
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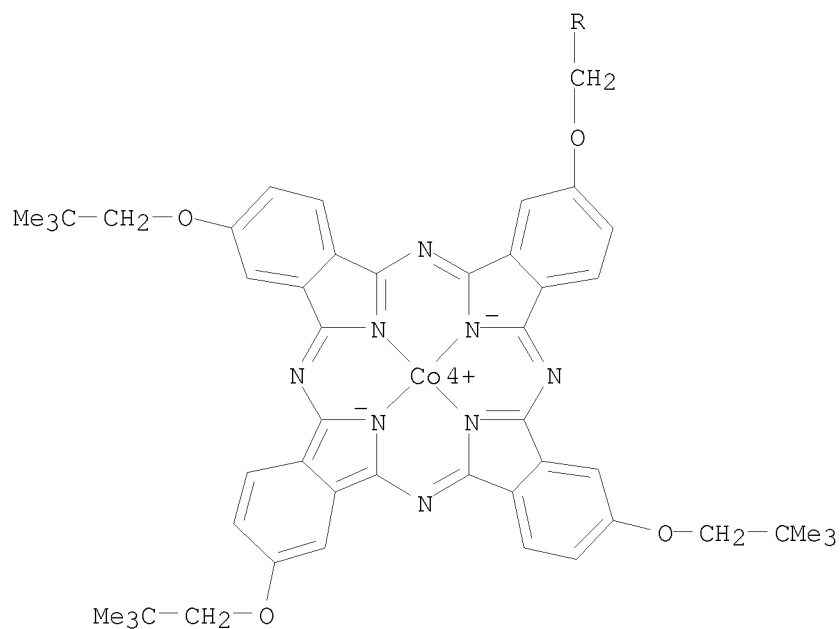
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 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 33 OF 39 REGISTRY COPYRIGHT 2008 ACS on STN  
 RN 106782-15-4 REGISTRY  
 ED Entered STN: 21 Feb 1987  
 ITERATION INCOMPLETE  
 CN Cobalt(4+), [ $\mu$ 4-[[2,2'-[[2,2-bis[[[9,16,23-tris(2,2-dimethylpropoxy)-29H,31H-phthalocyanin-2-yl]oxy]methyl]-1,3-



propanediyl]bis(oxy)]bis[9,16,23-tris(2,2-dimethylpropoxy)-29H,31H-phthalocyaninato]](8-)-N29,N30,N31,N32:N29',N30',N31',N32':N29'',N30'',N31'',N32'':N29''',N30''',N31''',N32''']]tetra- (9CI) (CA INDEX NAME)

## OTHER CA INDEX NAMES:

CN 29H,31H-Phthalocyanine, 2,2'-[[2,2-bis[[[9,16,23-tris(2,2-dimethylpropoxy)-29H,31H-phthalocyanin-2-yl]oxy]methyl]-1,3-propanediyl]bis(oxy)]bis[9,16,23-tris(2,2-dimethylpropoxy)-, cobalt complex

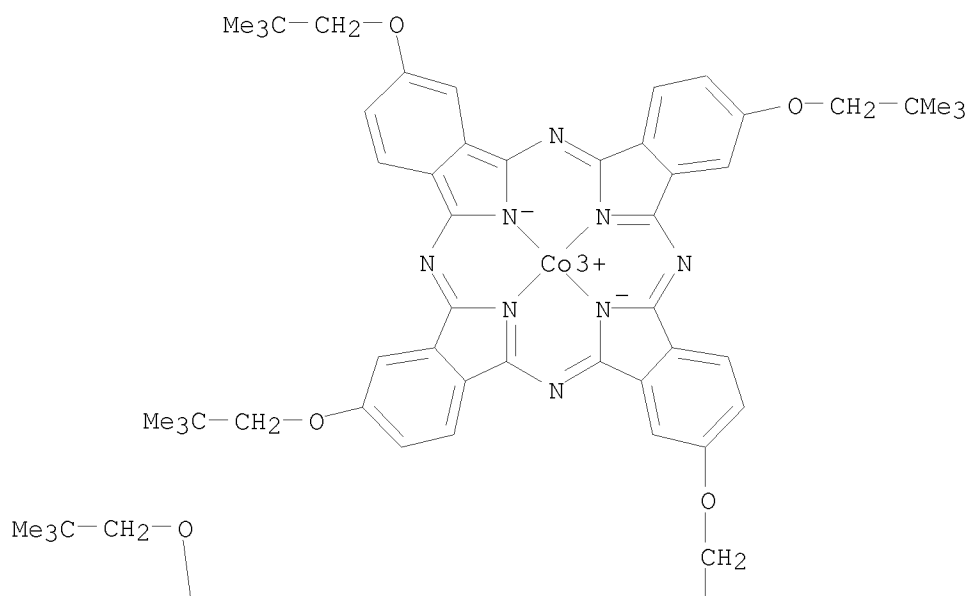
MF C193 H188 Co4 N32 O16

CI CCS

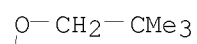
SR CA

LC STN Files: CA, CAPLUS

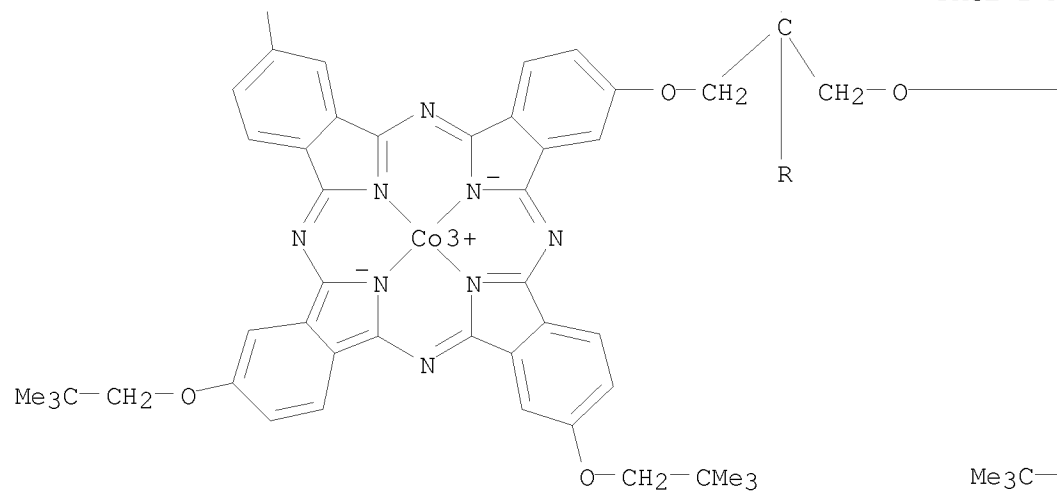
PAGE 1-A



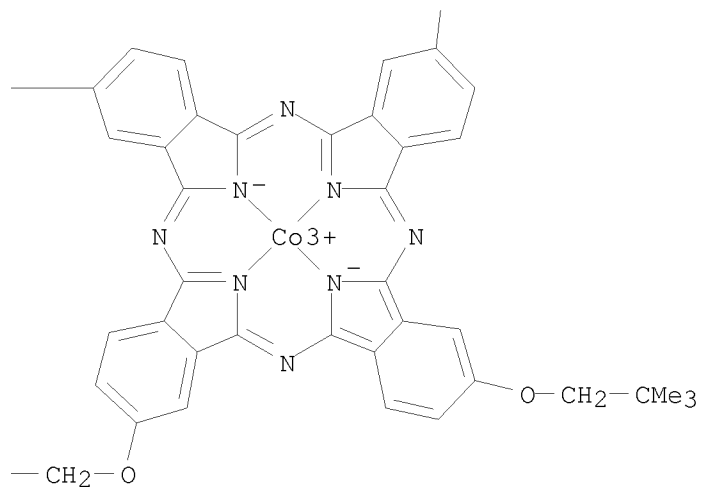
PAGE 1-B



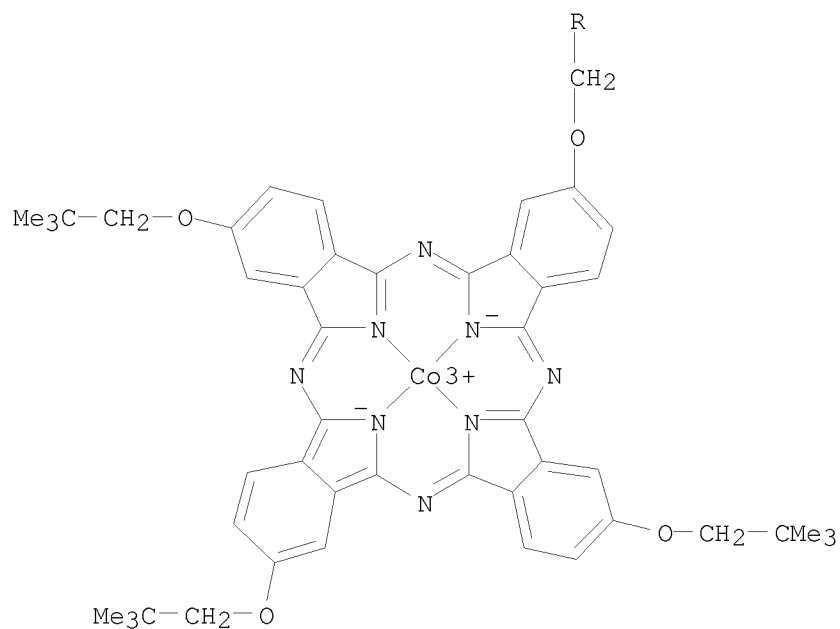
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1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 34 OF 39 REGISTRY COPYRIGHT 2008 ACS on STN  
 RN 106782-14-3 REGISTRY  
 ED Entered STN: 21 Feb 1987  
 ITERATION INCOMPLETE  
 CN Cobaltate(8-), [ $\mu$ 4-[[2,2'-[[2,2-bis[[[9,16,23-tris(2,2-dimethylpropoxy)-29H,31H-phthalocyanin-2-yl]oxy]methyl]-1,3-

propanediyl]bis(oxy)]bis[9,16,23-tris(2,2-dimethylpropoxy)-29H,31H-phthalocyaninato]](8-)-N29,N30,N31,N32:N29',N30',N31',N32':N29'',N30'',N31'',N32'':N29''',N30''',N31''',N32''']]tetra- (9CI) (CA INDEX NAME)

## OTHER CA INDEX NAMES:

CN 29H,31H-Phthalocyanine, 2,2'-[[2,2-bis[[[9,16,23-tris(2,2-dimethylpropoxy)-29H,31H-phthalocyanin-2-yl]oxy]methyl]-1,3-propanediyl]bis(oxy)]bis[9,16,23-tris(2,2-dimethylpropoxy)-, cobalt complex

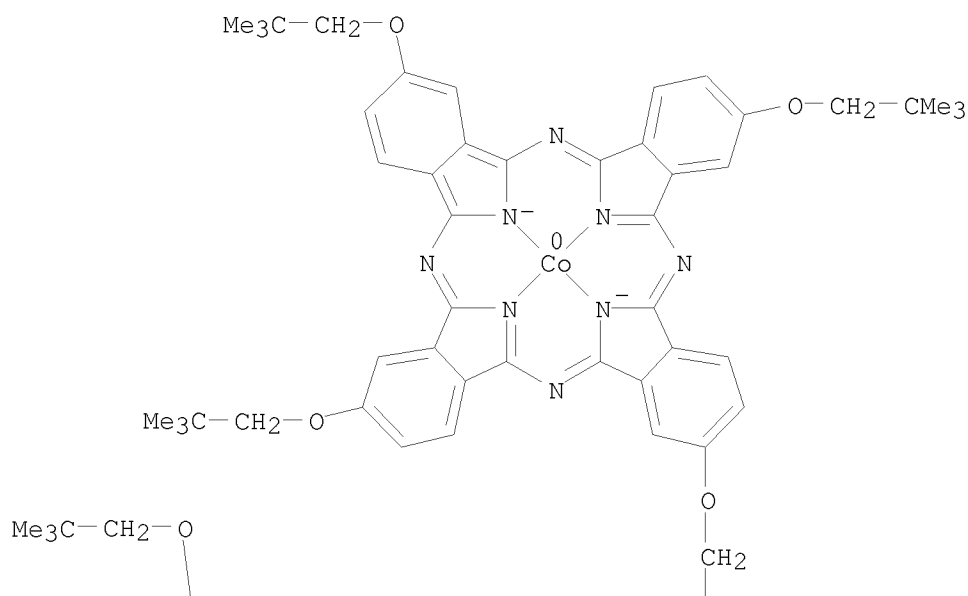
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CI CCS

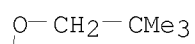
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LC STN Files: CA, CAPLUS

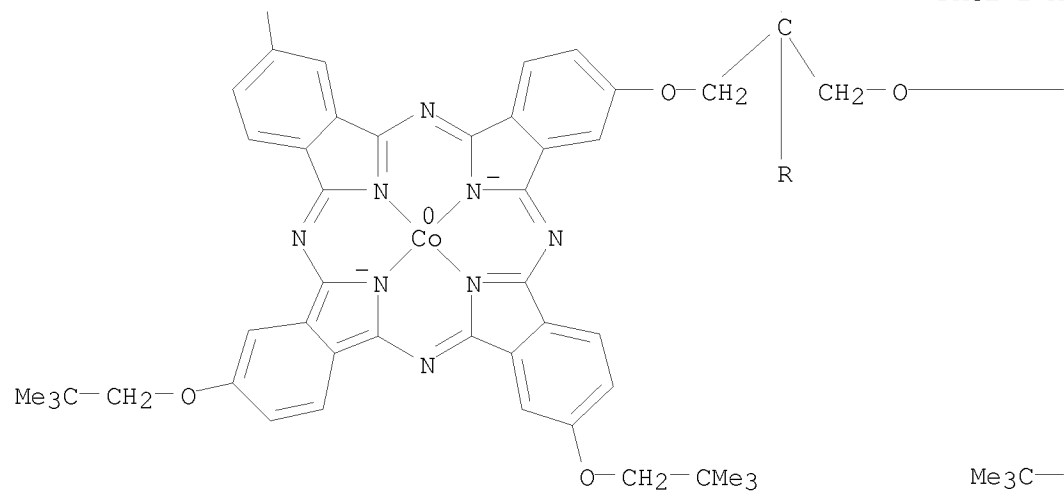
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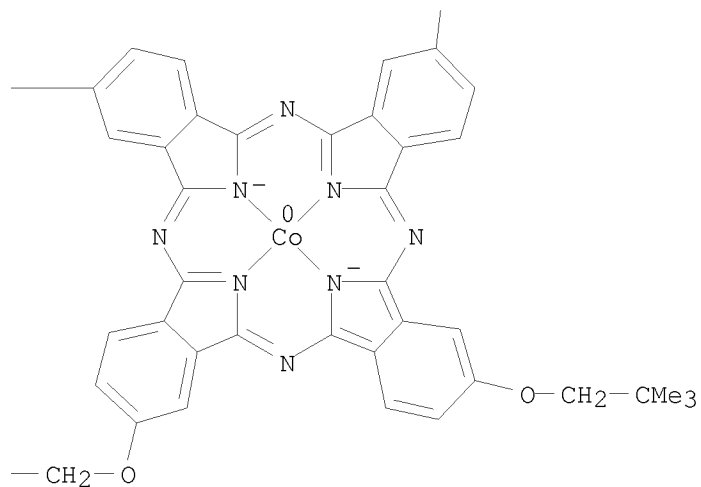
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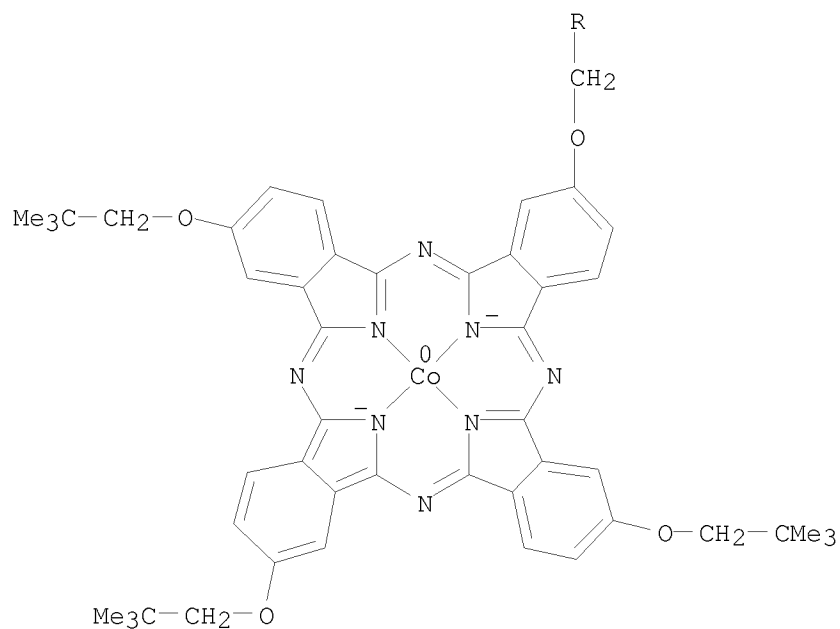
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1 REFERENCES IN FILE CA (1907 TO DATE)  
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L5 ANSWER 35 OF 39 REGISTRY COPYRIGHT 2008 ACS on STN

RN 106782-13-2 REGISTRY

ED Entered STN: 21 Feb 1987

ITERATION INCOMPLETE

CN Cobaltate(4-), [ $\mu$ 4-[[2,2'-[[2,2-bis[[[9,16,23-tris(2,2-dimethylpropoxy)-29H,31H-phthalocyanin-2-yl]oxy]methyl]-1,3-

propanediyl]bis(oxy)]bis[9,16,23-tris(2,2-dimethylpropoxy)-29H,31H-phthalocyaninato]](8-)-N29,N30,N31,N32:N29',N30',N31',N32':N29'',N30'',N31'',N32'':N29''',N30''',N31''',N32''']]tetra- (9CI) (CA INDEX NAME)

## OTHER CA INDEX NAMES:

CN 29H,31H-Phthalocyanine, 2,2'-[[2,2-bis[[[9,16,23-tris(2,2-dimethylpropoxy)-29H,31H-phthalocyanin-2-yl]oxy]methyl]-1,3-propanediyl]bis(oxy)]bis[9,16,23-tris(2,2-dimethylpropoxy)-, cobalt complex

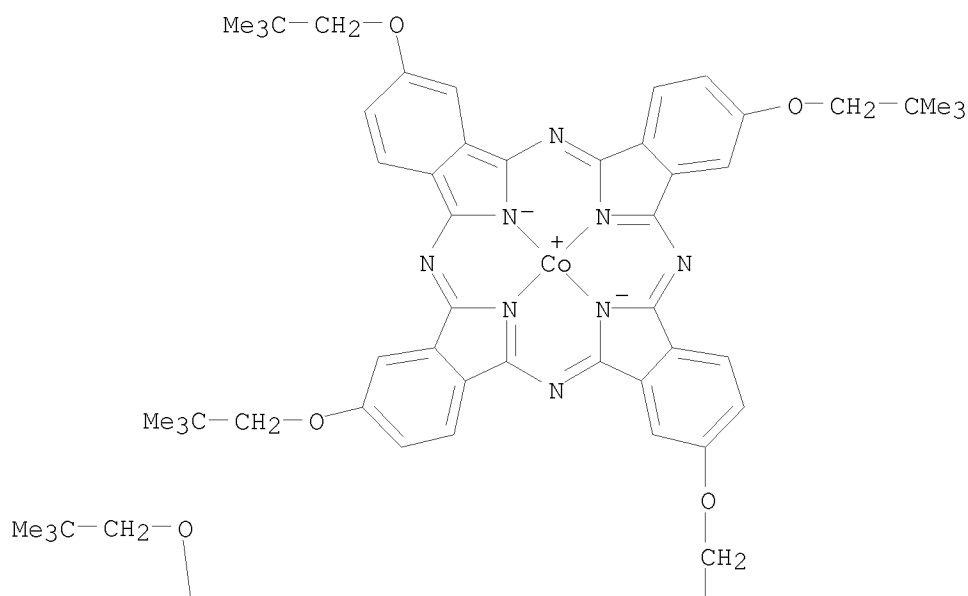
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CI CCS

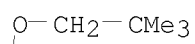
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LC STN Files: CA, CAPLUS

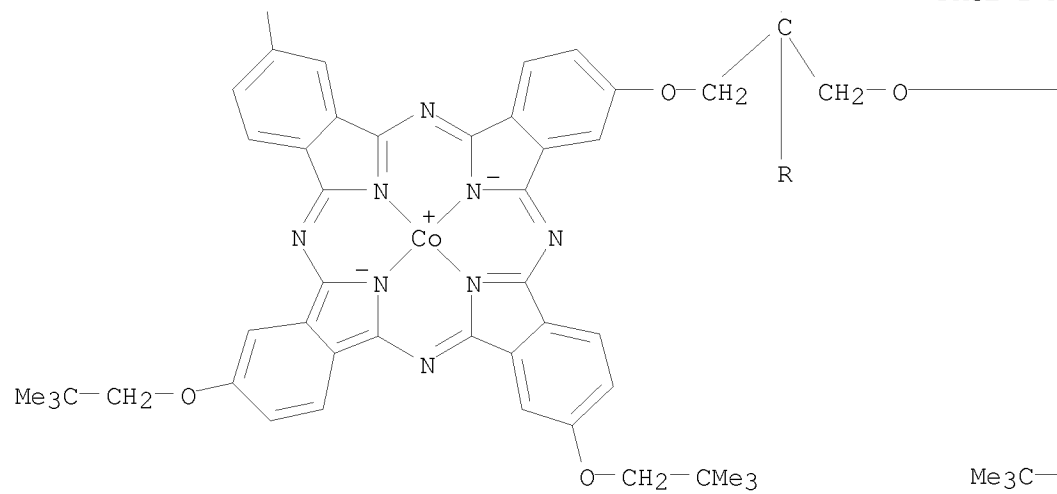
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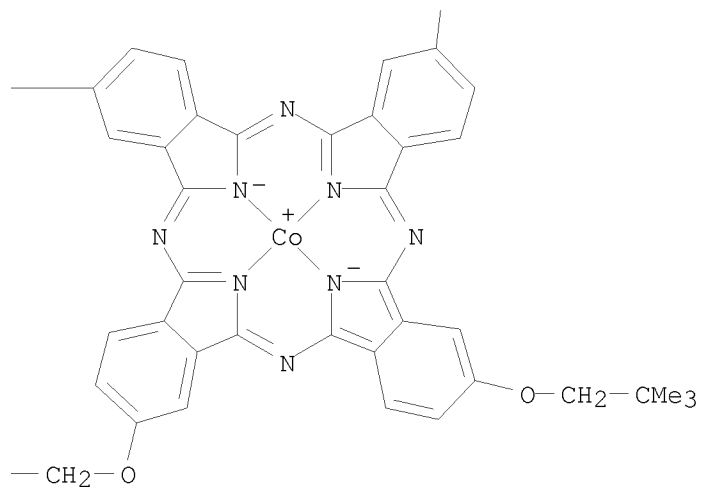


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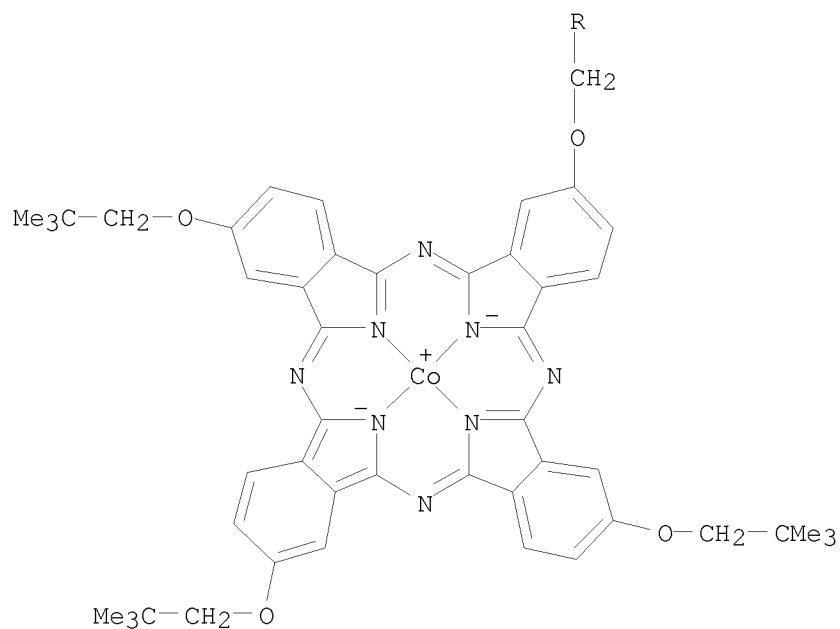




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1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 36 OF 39 REGISTRY COPYRIGHT 2008 ACS on STN  
 RN 106782-12-1 REGISTRY  
 ED Entered STN: 21 Feb 1987  
 ITERATION INCOMPLETE  
 CN Cobalt, [ $\mu$ 4-[[2,2'-[[2,2-bis[[[9,16,23-tris(2,2-dimethylpropoxy)-29H,31H-phthalocyanin-2-yl]oxy]methyl]-1,3-

propanediyl]bis(oxy)]bis[9,16,23-tris(2,2-dimethylpropoxy)-29H,31H-phthalocyaninato]](8-)-N29,N30,N31,N32:N29',N30',N31',N32':N29'',N30'',N31'',N32'':N29''',N30''',N31''',N32''']]tetra- (9CI) (CA INDEX NAME)

## OTHER CA INDEX NAMES:

CN 29H,31H-Phthalocyanine, 2,2'-[[2,2-bis[[[9,16,23-tris(2,2-dimethylpropoxy)-29H,31H-phthalocyanin-2-yl]oxy]methyl]-1,3-propanediyl]bis(oxy)]bis[9,16,23-tris(2,2-dimethylpropoxy)-, cobalt complex

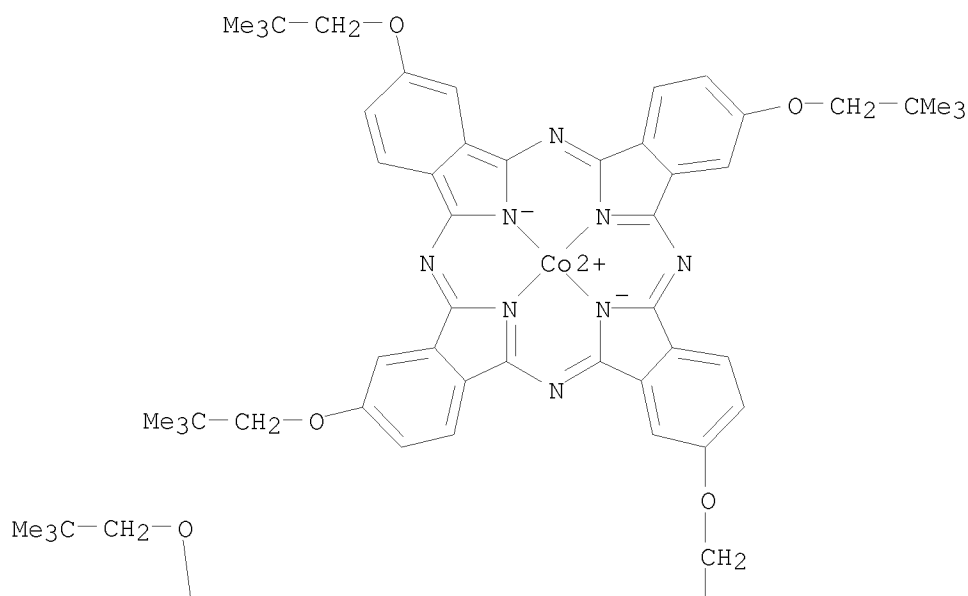
MF C193 H188 Co4 N32 O16

CI CCS

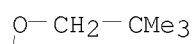
SR CA

LC STN Files: CA, CAPLUS

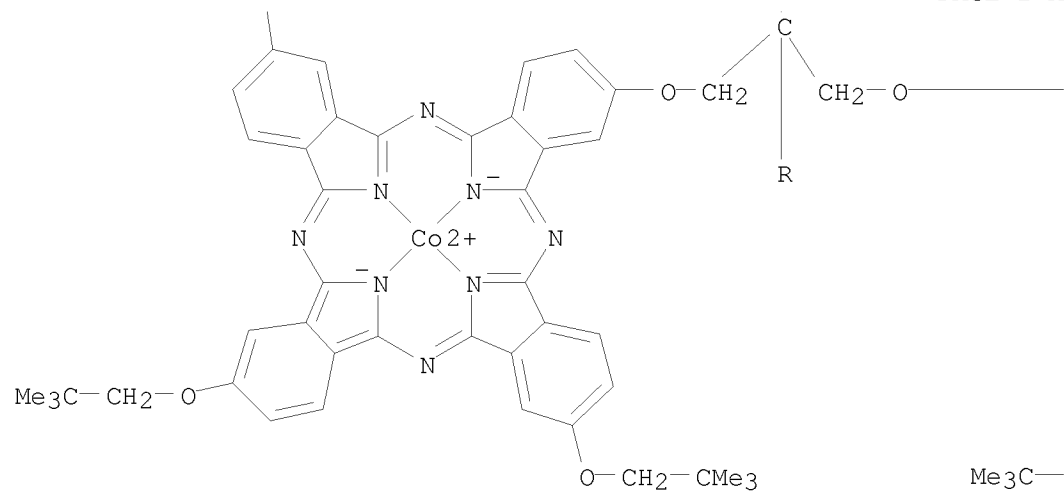
PAGE 1-A



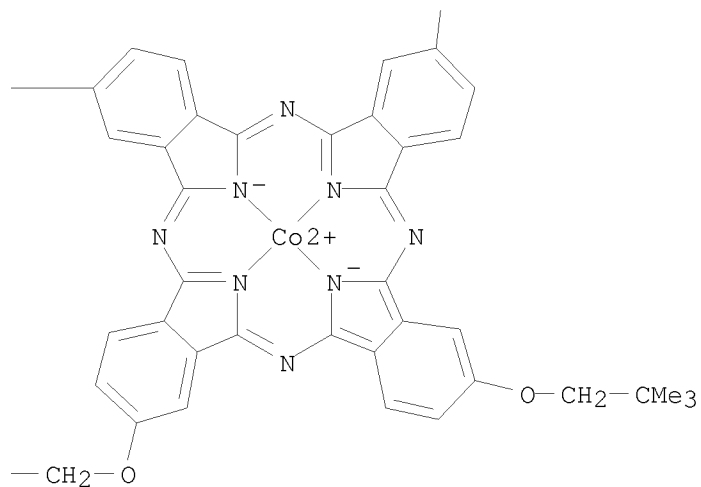
PAGE 1-B



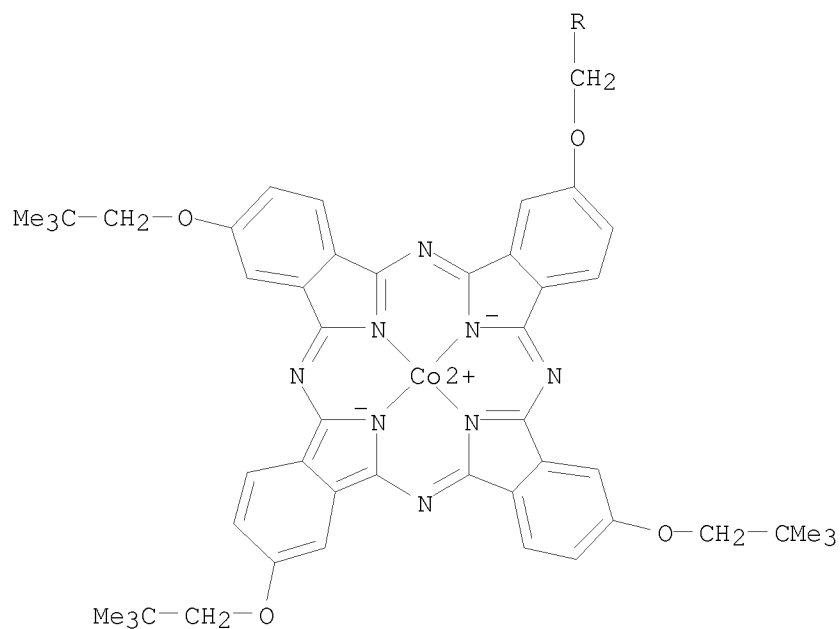
PAGE 2-A



PAGE 2-B



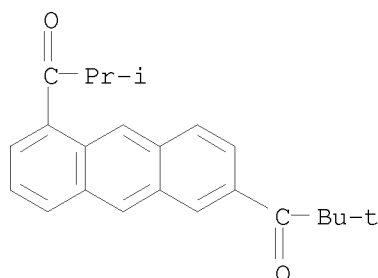
PAGE 3-A



2 REFERENCES IN FILE CA (1907 TO DATE)  
 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 37 OF 39 REGISTRY COPYRIGHT 2008 ACS on STN  
 RN 76324-93-1 REGISTRY  
 ED Entered STN: 16 Nov 1984  
 CN 1-Propanone, 2,2-dimethyl-1-[5-(2-methyl-1-oxopropyl)-2-anthracenyl]- (CA  
 INDEX NAME)  
 MF C23 H24 O2

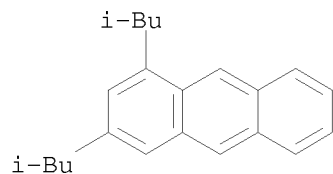
LC STN Files: CA, CAPLUS



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

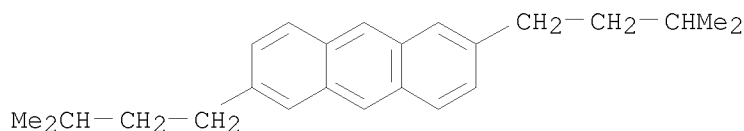
L5 ANSWER 38 OF 39 REGISTRY COPYRIGHT 2008 ACS on STN  
RN 74654-84-5 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Anthracene, 1,3-bis(2-methylpropyl)- (CA INDEX NAME)  
MF C22 H26  
LC STN Files: CA, CAPLUS



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 39 OF 39 REGISTRY COPYRIGHT 2008 ACS on STN  
RN 38251-18-2 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Anthracene, 2,6-bis(3-methylbutyl)- (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Anthracene, 2,6-diisopentyl- (7CI)  
MF C24 H30  
LC STN Files: CA, CAPLUS



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus  
COST IN U.S. DOLLARS  
FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
232.20	232.41

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FILE COVERS 1907 - 29 Dec 2008 VOL 150 ISS 1  
FILE LAST UPDATED: 28 Dec 2008 (20081228/ED)

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Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/legal/infopolicy.html>

=> s 15  
L6 31 L5

=> d 16 1-31

L6 ANSWER 1 OF 31 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 2008:1427645 CAPLUS  
TI New fluorescent chemical sensors for detection of citrate and citric acid  
IN Galindo Honrubia, Francisco; Luis Lafuente, Santiago Vicente; Burguete Azcarate, Maria Isabel; Vigara Rodriguez, Laura

PA Universitat Jaume I, Spain  
SO PCT Int. Appl., 44pp.  
CODEN: PIXXD2

DT Patent  
LA Spanish

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	WO 2008142177	A1	20081127	WO 2008-ES271	20080419
	W: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
	RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	ES 2308932	A1	20081201	ES 2007-1456	20070523
PRAI	ES 2007-1456	A	20070523		

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 31 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 2008:358891 CAPLUS  
DN 148:509057  
TI One- and two-photon fluorescent polyhedral oligosilsesquioxane (POSS) nanosensor arrays for the remote detection of analytes in clouds, in solution, and on surfaces  
AU Hartmann-Thompson, Claire; Keeley, Douglas L.; Pollock, Kathleen M.; Dvornic, Petar R.; Keinath, Steven E.; Dantus, Marcos; Gunaratne, Tissa C.; LeCaptain, Dale J.  
CS Michigan Molecular Institute, Midland, MI, 48640-2696, USA  
SO Chemistry of Materials (2008), 20(8), 2829-2838  
CODEN: CMATEX; ISSN: 0897-4756  
PB American Chemical Society  
DT Journal  
LA English  
OS CASREACT 148:509057

RE.CNT 55 THERE ARE 55 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 3 OF 31 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 2008:128603 CAPLUS  
DN 148:356121  
TI Semi-synthesis of polymyxin B (2-10) and colistin (2-10) analogs employing the trichloroethoxycarbonyl (Troc) group for side chain protection of  $\alpha,\gamma$ -diaminobutyric acid residues  
AU Okimura, Keiko; Ohki, Kazuhiro; Sato, Yuki; Ohnishi, Kuniharu; Sakura, Naoki  
CS Faculty of Pharmaceutical Sciences, Hokuriku University, Kanagawa-machi, Kanazawa, 920-1181, Japan  
SO Chemical & Pharmaceutical Bulletin (2007), 55(12), 1724-1730  
CODEN: CPBTAL; ISSN: 0009-2363

PB Pharmaceutical Society of Japan

DT Journal

LA English

OS CASREACT 148:356121

RE.CNT 26 THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 4 OF 31 CAPLUS COPYRIGHT 2008 ACS on STN

AN 2007:1240626 CAPLUS

DN 147:495084

TI Aromatic semiconductors, organic semiconductor films, organic semiconductor devices, and organic thin-film-transistors (TFT)

IN Katakura, Toshie; Ozeki, Hidekane; Okubo, Yasushi; Kita, Hiroshi

PA Konica Minolta Holdings, Inc., Japan

SO Jpn. Kokai Tokkyo Koho, 27pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	JP 2007288033	A	20071101	JP 2006-115409	20060419
PRAI	JP 2006-115409		20060419		
OS	MARPAT 147:495084				

L6 ANSWER 5 OF 31 CAPLUS COPYRIGHT 2008 ACS on STN

AN 2007:911303 CAPLUS

DN 147:266975

TI Organic semiconductors, organic semiconductor films, organic semiconductor devices, and organic thin-film transistors

IN Okubo, Yasushi; Katakura, Toshie; Ozeki, Hidekane; Kita, Hiroshi

PA Konica Minolta Holdings, Inc., Japan

SO Jpn. Kokai Tokkyo Koho, 25pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	JP 2007207966	A	20070816	JP 2006-24292	20060201
PRAI	JP 2006-24292		20060201		

L6 ANSWER 6 OF 31 CAPLUS COPYRIGHT 2008 ACS on STN

AN 2007:150525 CAPLUS

DN 146:239397

TI High density 3D optical data storage

IN Drobizhev, Mikhail; Rebane, Aleksander; Spahni, Heinz; Spangler, Charles W.; Wolleb, Heinz

PA Ciba Specialty Chemicals Holding Inc., Switz.; Montana State University

SO PCT Int. Appl., 29pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	WO 2007014849	A2	20070208	WO 2006-EP64392	20060719



WO 2007014849                      A3                      20070503  
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,  
CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,  
GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP,  
KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN,  
MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU,  
SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG,  
US, UZ, VC, VN, ZA, ZM, ZW  
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,  
IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,  
CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,  
KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA  
EP 1920436                      A2                      20080514                      EP 2006-777843                      20060719  
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,  
IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR  
PRAI US 2005-703387P                      P                      20050728  
US 2005-708544P                      P                      20050816  
US 2005-734341P                      P                      20051107  
US 2005-748349P                      P                      20051207  
WO 2006-EP64392                      W                      20060719  
OS      MARPAT 146:239397  
  
L6      ANSWER 7 OF 31      CAPLUS      COPYRIGHT 2008 ACS on STN  
AN      2006:1148438      CAPLUS  
DN      146:151103  
TI      Experimental characterization of two-photon materials for fast rewritable  
optical data storage  
AU      Makarov, Nikolay; Drobizhev, Mikhail; Rebane, Aleks; Peone, Desiree;  
Wolleb, Heinz; Spahni, Heinz  
CS      Dept. of Physics, Montana State Univ., Bozeman, MT, 59717, USA  
SO      Proceedings of SPIE-The International Society for Optical Engineering  
(2006), 6330(Nonlinear Optical Transmission and Multiphoton Processes in  
Organics IV), 63300K/1-63300K/12  
CODEN: PSISDG; ISSN: 0277-786X  
PB      SPIE-The International Society for Optical Engineering  
DT      Journal  
LA      English  
RE.CNT 36      THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT  
  
L6      ANSWER 8 OF 31      CAPLUS      COPYRIGHT 2008 ACS on STN  
AN      2006:550540      CAPLUS  
DN      145:512965  
TI      Investigation of femtosecond photon echo in dye-doped polymer film at room  
temperature  
AU      Zuikov, V. A.; Lobkov, V. S.; Salikhov, K. M.; Samartsev, V. V.;  
Safiullin, G. M.  
CS      Kazan. Fiz. Tekh. Inst. im. E. K. Zavoiskogo, Kazan, Russia  
SO      Izvestiya Rossiiskoi Akademii Nauk, Seriya Fizicheskaya (2006), 70(4),  
473-476  
CODEN: IRAFEO; ISSN: 1026-3489  
PB      Nauka  
DT      Journal  
LA      Russian  
  
L6      ANSWER 9 OF 31      CAPLUS      COPYRIGHT 2008 ACS on STN

AN 2006:484874 CAPLUS  
DN 145:158322  
TI Red manganese phthalocyanines from highly hindered  
hexadecaalkoxyphthalocyanines  
AU Leznoff, Clifford C.; Black, L. Scott; Hiebert, Annette; Causey, Patrick  
W.; Christendat, Dharamdat; Lever, A. B. P.  
CS Department of Chemistry, York University, Toronto, ON, M3J 1P3, Can.  
SO Inorganica Chimica Acta (2006), 359(9), 2690-2699  
CODEN: ICHAA3; ISSN: 0020-1693  
PB Elsevier B.V.  
DT Journal  
LA English  
OS CASREACT 145:158322  
RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 10 OF 31 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 2005:619416 CAPLUS  
DN 143:248021  
TI Two-photon absorption properties of 2,6-bis(styryl)anthracene derivatives:  
Effects of donor-acceptor substituents and the  $\pi$  center  
AU Yang, Wen Jun; Kim, Dae Young; Jeong, Mi-Yun; Kim, Hwan Myung; Lee, Yun  
Kyoung; Fang, Xingzhong; Jeon, Seung-Joon; Cho, Bong Rae  
CS Molecular Opto-Electronics Laboratory Department of Chemistry and Center  
for Electro- and Photo-Responsive Molecules, Korea University, Seoul,  
136-701, S. Korea  
SO Chemistry--A European Journal (2005), 11(14), 4191-4198  
CODEN: CEUJED; ISSN: 0947-6539  
PB Wiley-VCH Verlag GmbH & Co. KGaA  
DT Journal  
LA English  
OS CASREACT 143:248021  
RE.CNT 59 THERE ARE 59 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 11 OF 31 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 2005:42061 CAPLUS  
DN 142:261287  
TI Synthesis of anthracene ethers from anthracene methyl ethers via an  
acid-catalyzed exchange reaction  
AU Lin, Chih-Hsiu; Radhakrishnan, Krishnan  
CS Institute of Chemistry, Academia Sinica, Taichung, Taipei, 115, Taiwan  
SO Chemical Communications (Cambridge, United Kingdom) (2005), (4), 504-506  
CODEN: CHCOFS; ISSN: 1359-7345  
PB Royal Society of Chemistry  
DT Journal  
LA English  
OS CASREACT 142:261287  
RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 12 OF 31 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 2004:1059431 CAPLUS  
DN 142:40084  
TI Phthalocyanine compounds and their preparation method  
IN Lever, Barry A. P.; Leznoff, Clifford  
PA York University, Can.

SO PCT Int. Appl., 30 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	WO 2004106436	A1	20041209	WO 2004-CA808	20040531
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PRAI US 2003-474300P P 20030530

OS CASREACT 142:40084; MARPAT 142:40084

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 13 OF 31 CAPLUS COPYRIGHT 2008 ACS on STN

AN 2004:254627 CAPLUS

DN 141:267456

TI Electron-phonon coupling in two-photon spectral gratings: role of molecular symmetry

AU Drobizhev, M.; Dzenis, Yu.; Karotki, A.; Rebane, A.

CS Department of Physics, Montana State University, Bozeman, MT, 59717-3840, USA

SO Journal of Luminescence (2004), 107(1-4), 194-202

CODEN: JLUMA8; ISSN: 0022-2313

PB Elsevier Science B.V.

DT Journal

LA English

RE.CNT 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 14 OF 31 CAPLUS COPYRIGHT 2008 ACS on STN

AN 2003:435364 CAPLUS

DN 139:15943

TI Design of semiconductor devices composed of pentacene derivatives

IN Smith, Terrance P.; Vogel, Dennis E.; Vogel, Kim M.

PA 3M Innovative Properties Company, USA

SO U.S. Pat. Appl. Publ., 19 pp., Cont.-in-part of U.S. Ser. No. 966,961.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	US 20030105365	A1	20030605	US 2002-256616	20020927
	US 6864396	B2	20050308		
	CN 1582506	A	20050216	CN 2002-822123	20020927
	AT 331304	T	20060715	AT 2002-763754	20020927

PRAI US 2001-966961 A2 20010927  
 OS MARPAT 139:15943  
 RE.CNT 42 THERE ARE 42 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 15 OF 31 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 2003:414124 CAPLUS  
 DN 139:6688  
 TI Process for preparing pentacene derivatives  
 IN Vogel, Dennis E.; Vogel, Kim M.  
 PA 3M Innovative Properties Company, USA  
 SO U.S. Pat. Appl. Publ., 35 pp., Cont.-in-part of U.S. Ser. No. 966,954.  
 CODEN: USXXCO  
 DT Patent  
 LA English  
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 20030100779	A1	20030529	US 2002-256489	20020927
	US 6974877	B2	20051213		
	US 20030097010	A1	20030522	US 2001-966954	20010927
	US 20050288522	A1	20051229	US 2005-205602	20050817
PRAI	US 2001-966954	A2	20010927		
	US 2002-256489	A3	20020927		

OS CASREACT 139:6688; MARPAT 139:6688  
 RE.CNT 45 THERE ARE 45 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 16 OF 31 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 2003:262124 CAPLUS  
 DN 138:271405  
 TI Preparation of dialkylpentacenes as semiconductor materials  
 IN Smith, Terrance P.; Vogel, Dennis E.; Vogel, Kim M.  
 PA 3M Innovative Properties Company, USA  
 SO PCT Int. Appl., 54 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003028125	A2	20030403	WO 2002-US30704	20020927
	WO 2003028125	A3	20030703		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU	2002327747	A1	20030407	AU 2002-327747	20020927
EP	1433211	A2	20040630	EP 2002-763754	20020927
EP	1433211	B1	20060621		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				

IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK

CN	1582506	A	20050216	CN	2002-822123	20020927
JP	2005504811	T	20050217	JP	2003-531543	20020927
AT	331304	T	20060715	AT	2002-763754	20020927
PRAI	US 2001-966961	A	20010927			
	WO 2002-US30704	W	20020927			
OS	MARPAT 138:271405					

L6 ANSWER 17 OF 31 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 2003:261793 CAPLUS  
 DN 138:287416  
 TI Process for preparing pentacene derivatives useful as semiconductors involving Friedel-Crafts cyclization of bis(benzyl)phthalic acids in presence of trifluoromethanesulfonic acid  
 IN Vogel, Dennis E.; Vogel, Kim M.  
 PA 3M Innovative Properties Company, USA  
 SO PCT Int. Appl., 68 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
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PI	WO 2003027050	A2	20030403	WO 2002-US30722	20020927	
	WO 2003027050	A3	20040304			
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW					
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
	US 20030097010	A1	20030522	US 2001-966954	20010927	
	AU 2002337722	A1	20030407	AU 2002-337722	20020927	
	EP 1430008	A2	20040623	EP 2002-773612	20020927	
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK					
	JP 2005504096	T	20050210	JP 2003-530642	20020927	
	CN 1592729	A	20050309	CN 2002-823357	20020927	
PRAI	US 2001-966954	A	20010927			
	WO 2002-US30722	W	20020927			
OS	CASREACT 138:287416; MARPAT 138:287416					

L6 ANSWER 18 OF 31 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 2002:762759 CAPLUS  
 DN 138:63171  
 TI Femtosecond photon echo spectroscopy in single laser shot  
 AU Rebane, A.; Gallus, J.; Ollikainen, O.  
 CS Physics Department, Montana State University, Bozeman, MT, 59717, USA  
 SO Laser Physics (2002), 12(8), 1126-1134  
 CODEN: LAPHEJ; ISSN: 1054-660X  
 PB MAIK Nauka/Interperiodica Publishing  
 DT Journal  
 LA English

RE.CNT 23      THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6    ANSWER 19 OF 31    CAPLUS    COPYRIGHT 2008 ACS on STN  
AN    2002:283342    CAPLUS  
DN    137:56462  
TI    The syntheses and NMR studies of hexadeca- and  
      octaneopentoxypthalocyanines  
AU    Bhardwaj, Namrta; Andraos, John; Leznoff, Clifford C.  
CS    Department of Chemistry, York University, Toronto, ON, M3J 1P3, Can.  
SO    Canadian Journal of Chemistry (2002), 80(2), 141-147  
      CODEN: CJCHAG; ISSN: 0008-4042  
PB    National Research Council of Canada  
DT    Journal  
LA    English  
OS    CASREACT 137:56462

RE.CNT 31      THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6    ANSWER 20 OF 31    CAPLUS    COPYRIGHT 2008 ACS on STN  
AN    1998:268838    CAPLUS  
DN    129:67725  
OREF 129:14055a,14058a  
TI    New axially chiral bis(dihydrooxazoles) as ligands in stereoselective  
      transition-metal catalysis  
AU    Rippert, Andreas Johannes  
CS    Organisch-Chemisches Institut, Universitaet Zuerich, Zurich, CH-8057,  
      Switz.  
SO    Helvetica Chimica Acta (1998), 81(4), 676-687  
      CODEN: HCACAV; ISSN: 0018-019X  
PB    Verlag Helvetica Chimica Acta AG  
DT    Journal  
LA    English  
OS    CASREACT 129:67725

L6    ANSWER 21 OF 31    CAPLUS    COPYRIGHT 2008 ACS on STN  
AN    1997:543532    CAPLUS  
DN    127:134690  
OREF 127:25973a,25976a  
TI    Inhibitors of MAdCAM-1-mediated interactions and methods of use therefor  
IN    Schwender, Charles F.; Shroff, Hitesh N.  
PA    Leukosite, Inc., USA  
SO    PCT Int. Appl., 107 pp.  
      CODEN: PIXXD2

DT    Patent  
LA    English

FAN.CNT 1

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PI	WO 9725351	A2	19970717	WO 1997-US291	19970103
	WO 9725351	A3	19970918		
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, GR, SZ, BE, FR, IE, IT, MC, NL, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				

RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR,  
IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML,  
MR, NE, SN, TD, TG

US 6037324	A	20000314	US 1996-582740	19960104
CA 2241169	A1	19970717	CA 1997-2241169	19970103
AU 9722415	A	19970801	AU 1997-22415	19970103
AU 721615	B2	20000713		
EP 871670	A2	19981021	EP 1997-905564	19970103
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2000503203	T	20000321	JP 1997-525381	19970103
US 6274556	B1	20010814	US 1998-109879	19980702
US 20020103111	A1	20020801	US 2001-859214	20010516
PRAI US 1996-582740	A2	19960104		
WO 1997-US291	W	19970103		
US 1998-109879	A1	19980702		
OS	MARPAT 127:134690			

L6 ANSWER 22 OF 31 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 1997:518477 CAPLUS  
DN 127:212398  
OREF 127:41176h,41177a  
TI Phthalonaphthalocyanines: New Far-Red Dyes for Spectral Hole Burning  
AU Renge, Indrek; Wolleb, Heinz; Spahni, Heinz; Wild, Urs P.  
CS Physical Chemistry Laboratory, ETH-Zentrum, Zurich, CH-8092, Switz.  
SO Journal of Physical Chemistry A (1997), 101(35), 6202-6213  
CODEN: JPCAFH; ISSN: 1089-5639  
PB American Chemical Society  
DT Journal  
LA English  
RE.CNT 58 THERE ARE 58 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 23 OF 31 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 1995:785260 CAPLUS  
DN 123:242161  
OREF 123:43023a,43026a  
TI Optical recording material using phthalocyanine derivative  
IN Tomura, Tatsuya; Sato, Tsutomu; Sasa, Noboru  
PA Ricoh Kk, Japan  
SO Jpn. Kokai Tokkyo Koho, 8 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese  
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI JP 07156550	A	19950620	JP 1993-339744	19931206
PRAI JP 1993-339744		19931206		
OS	MARPAT 123:242161			

L6 ANSWER 24 OF 31 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 1989:466590 CAPLUS  
DN 111:66590  
OREF 111:11103a,11106a  
TI Dioxygen reduction at a graphite electrode modified by mononuclear  
tetraneopentoxypthalocyaninatocobalt(II) and related polynuclear species

AU Janda, Pavel; Kobayashi, Nagao; Auburn, Pamela R.; Lam, Herman; Leznoff, Clifford C.; Lever, A. B. P.  
CS Dep. Chem., York Univ., North York, ON, M3J 1P3, Can.  
SO Canadian Journal of Chemistry (1989), 67(6), 1109-19  
CODEN: CJCHAG; ISSN: 0008-4042  
DT Journal  
LA English

L6 ANSWER 25 OF 31 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 1989:143348 CAPLUS  
DN 110:143348  
OREF 110:23527a,23530a  
TI Electrochemistry and spectroelectrochemistry of polynuclear zinc phthalocyanines: formation of mixed valence cation radical species  
AU Manivannan, V.; Nevin, W. Andrew; Leznoff, Clifford C.; Lever, A. B. P.  
CS Dep. Chem., York Univ., North York, ON, M3J 1P3, Can.  
SO Journal of Coordination Chemistry (1988), 19(1-3), 139-58  
CODEN: JCCMBQ; ISSN: 0095-8972  
DT Journal  
LA English

L6 ANSWER 26 OF 31 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 1988:576962 CAPLUS  
DN 109:176962  
OREF 109:29219a,29222a  
TI Monolayer characteristics of some multinucleate phthalocyanines  
AU Kim, J. H.; Cotton, T. M.; Uphaus, R. A.; Leznoff, C. C.  
CS Dep. Chem., Univ. Nebraska, Lincoln, NE, 68588-0304, USA  
SO Thin Solid Films (1988), 159, 141-7  
CODEN: THSFAP; ISSN: 0040-6090  
DT Journal  
LA English

L6 ANSWER 27 OF 31 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 1987:112593 CAPLUS  
DN 106:112593  
OREF 106:18251a,18254a  
TI Synthesis, aggregation, electrocatalytic activity, and redox properties of a tetranuclear cobalt phthalocyanine  
AU Nevin, W. A.; Liu, W.; Greenberg, S.; Hempstead, M. R.; Marcuccio, S. M.; Melnik, M.; Leznoff, C. C.; Lever, A. B. P.  
CS Dep. Chem., York Univ., North York, ON, M3J 1P3, Can.  
SO Inorganic Chemistry (1987), 26(6), 891-9  
CODEN: INOCAJ; ISSN: 0020-1669  
DT Journal  
LA English

L6 ANSWER 28 OF 31 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 1981:47023 CAPLUS  
DN 94:47023  
OREF 94:7661a,7664a  
TI Anthracene derivatives  
PA Teijin Ltd., Japan  
SO Jpn. Kokai Tokkyo Koho, 7 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese



FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	JP 55053235	A	19800418	JP 1978-126855	19781017
PRAI	JP 1978-126855	A	19781017		

L6 ANSWER 29 OF 31 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1980:514193 CAPLUS

DN 93:114193

OREF 93:18268h,18269a

TI Tetraisobutyrylanthracene in chemiluminescence compositions

IN Harada, Toshiaki; Hiramatsu, Toshuki; Yamaji, Teizo

PA Teijin Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 5 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	JP 55038804	A	19800318	JP 1978-110609	19780911
	JP 62000893	B	19870110		
PRAI	JP 1978-110609	A	19780911		

L6 ANSWER 30 OF 31 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1972:514111 CAPLUS

DN 77:114111

OREF 77:18797a,18800a

TI Alkylation of anthracene with alcohols in the presence of zinc chloride

AU Porshakova, K. I.; Kuchkarov, A. B.; Narbut, S. P.

CS USSR

SO Tr. Tashkent. Politekh. Inst. (1970), No. 64, 55-61

From: Ref. Zh., Khim. 1971, Abstr. No. 22Zh358

DT Journal

LA Russian

L6 ANSWER 31 OF 31 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1963:27090 CAPLUS

DN 58:27090

OREF 58:4488g-h,4489a-b

TI Alkylation of anthracene with alcohols in the presence of zinc chloride

AU Porshakova, K. I.; Kuchkarev, A. B.

SO Uzbekskaa Khimicheskii Zhurnal (1962), 6(No. 2), 51-6

CODEN: UZKZAC

DT Journal

LA Unavailable

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ENTRY

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FULL ESTIMATED COST

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DICTIONARY FILE UPDATES: 26 DEC 2008 HIGHEST RN 1090514-45-6

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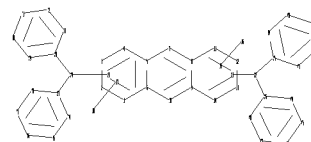
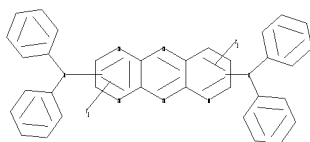
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REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

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15 16 17 18 21 22 23 24

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 25 26 27 28 29 30 31 32 33  
34 35 36 37 38 39 40 41 42 43 44 45 46 47 48

chain bonds :

15-16 17-18 21-22 22-25 22-26 23-24 24-27 24-28

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 8-11 9-10 9-14 11-12 12-13  
 13-14 25-39 25-43 26-44 26-48 27-34 27-38 28-29 28-33 29-30 30-31 31-32  
 32-33 34-35 35-36 36-37 37-38 39-40 40-41 41-42 42-43 44-45 45-46 46-47  
 47-48

exact/norm bonds :

15-16 17-18 21-22 22-25 22-26 23-24 24-27 24-28

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 8-11 9-10 9-14 11-12 12-13  
 13-14 25-39 25-43 26-44 26-48 27-34 27-38 28-29 28-33 29-30 30-31 31-32  
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G1:i-Pr,i-Bu,s-Bu,t-Bu

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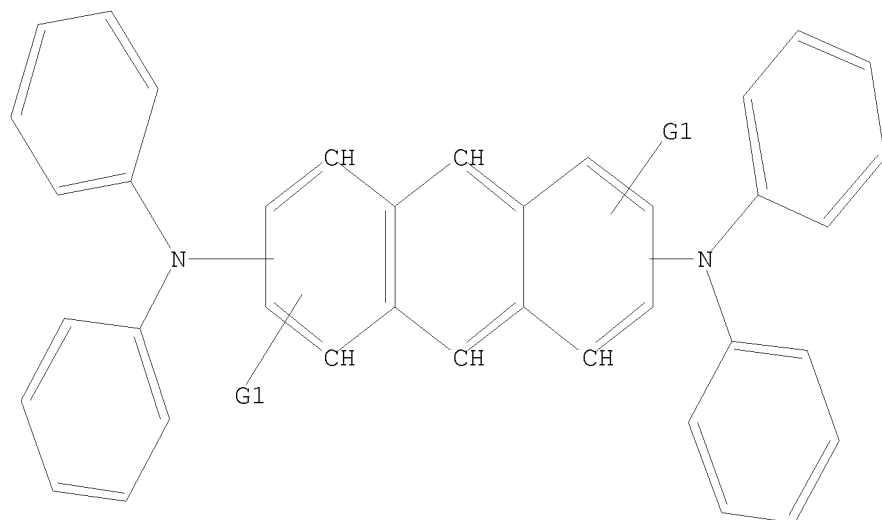
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L7 STRUCTURE UPLOADED

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L7 HAS NO ANSWERS

L7 STR



G1 i-Pr,i-Bu,s-Bu,t-Bu

Structure attributes must be viewed using STN Express query preparation.

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0 ANSWERS

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BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 5731 TO 7949

PROJECTED ANSWERS: 0 TO 0

L8 0 SEA SSS SAM L7

=> s 17 ful

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FULL SCREEN SEARCH COMPLETED - 6824 TO ITERATE

100.0% PROCESSED 6824 ITERATIONS ( 1 INCOMPLETE)

2 ANSWERS

SEARCH TIME: 00.00.02

L9 2 SEA SSS FUL L7

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L9 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2008 ACS on STN

RN 863194-24-5 REGISTRY

ED Entered STN: 15 Sep 2005

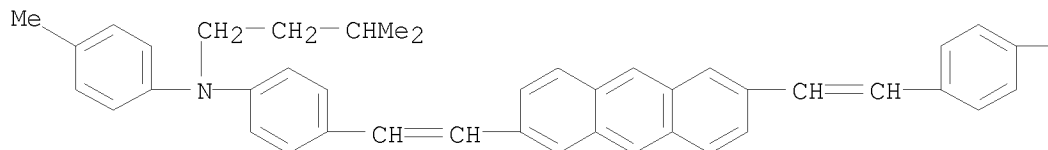
CN Benzenamine, 4,4'-(2,6-anthracenediyl-di-2,1-ethenediyl)bis[N-(3-methylbutyl)-N-(4-methylphenyl)- (9CI) (CA INDEX NAME)

MF C54 H56 N2

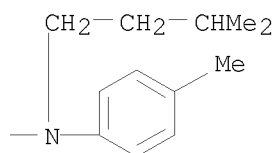
SR CA

LC STN Files: CA, CAPLUS, CASREACT

PAGE 1-A



PAGE 1-B



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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L9 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2008 ACS on STN

RN 123833-95-4 REGISTRY

ED Entered STN: 17 Nov 1989

ITERATION INCOMPLETE

CN Tin, bis[N,N',N'',N''',N'''',N''''',N''''',N''''''-octaethyl-N,N',N'',N''',N'''',N'''',N''''',N''''',N''''''-octaphenyl-29H,31H-phthalocyanine-2,3,9,10,16,17,23,24-octaminato(2-)-N29,N30,N31,N32]- (9CI)  
(CA INDEX NAME)

OTHER CA INDEX NAMES:

CN     29H,31H-Phthalocyanine-2,3,9,10,16,17,23,24-octamine,  
N,N',N'',N''',N'''',N''''',N'''''',N'''''''-octaethyl-  
N,N',N'',N''',N'''',N'''',N''''',N''''''-octaphenyl-, tin complex

MF C192 H176 N32 Sn

CI      CCS

SR CA

LC STN Files: CA, CAPLUS

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PAGE 1-B

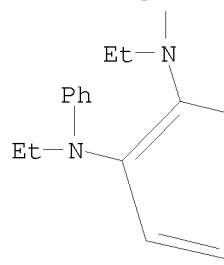
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PAGE 1-C

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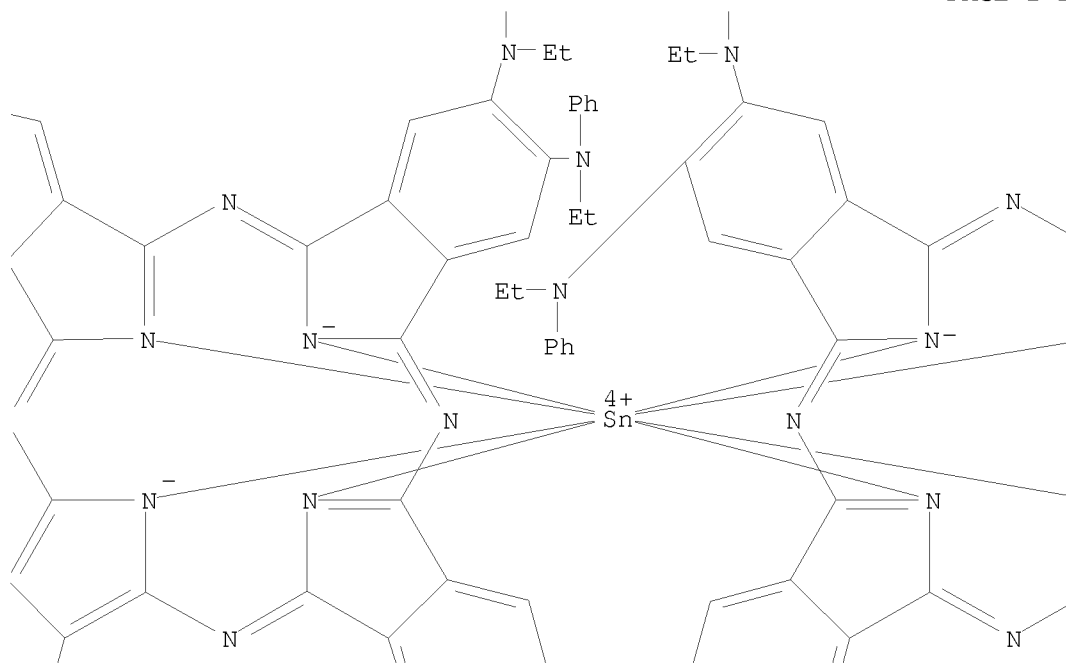
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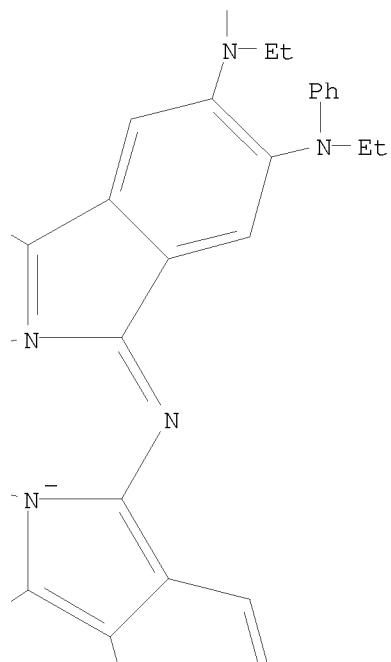
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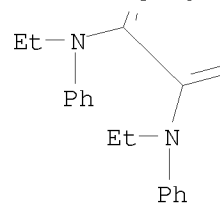


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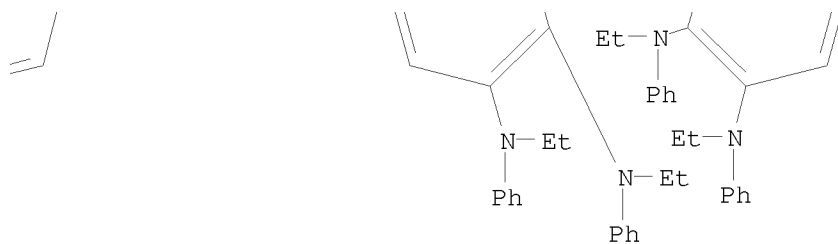




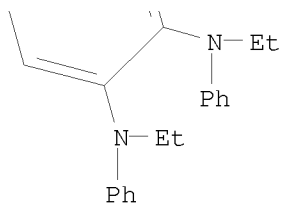
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PAGE 3-B



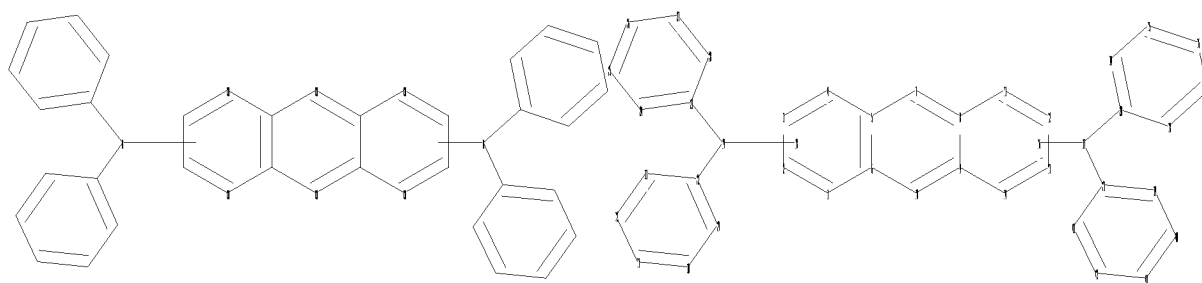
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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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chain nodes :

16 17 18 19

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 20 21 22 23 24 25 26 27 28  
29 30 31 32 33 34 35 36 37 38 39 40 41 42 43

chain bonds :

16-17 17-20 17-21 18-19 19-22 19-23

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 8-11 9-10 9-14 11-12 12-13  
13-14 20-34 20-38 21-39 21-43 22-29 22-33 23-24 23-28 24-25 25-26 26-27  
27-28 29-30 30-31 31-32 32-33 34-35 35-36 36-37 37-38 39-40 40-41 41-42  
42-43

exact/norm bonds :

16-17 17-20 17-21 18-19 19-22 19-23

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 8-11 9-10 9-14 11-12 12-13  
13-14 20-34 20-38 21-39 21-43 22-29 22-33 23-24 23-28 24-25 25-26 26-27  
27-28 29-30 30-31 31-32 32-33 34-35 35-36 36-37 37-38 39-40 40-41 41-42  
42-43

G1:i-Pr,i-Bu,s-Bu,t-Bu

Match level :

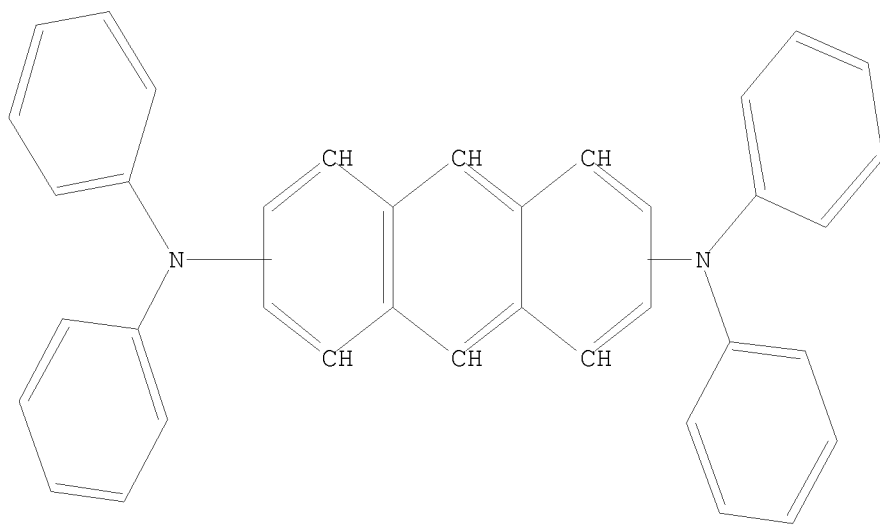
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21:Atom 22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom 29:Atom  
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39:Atom 40:Atom 41:Atom 42:Atom 43:Atom

L10 STRUCTURE UPLOADED

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L10 HAS NO ANSWERS

L10 STR



G1 i-Pr, i-Bu, s-Bu, t-Bu

Structure attributes must be viewed using STN Express query preparation.

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0 ANSWERS

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BATCH \*\*COMPLETE\*\*

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PROJECTED ANSWERS: 0 TO 0

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100.0% PROCESSED 6824 ITERATIONS ( 1 INCOMPLETE)

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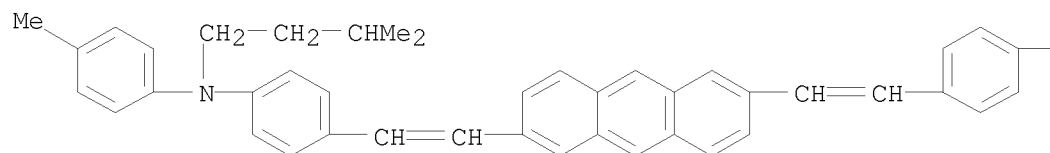
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ED Entered STN: 15 Sep 2005

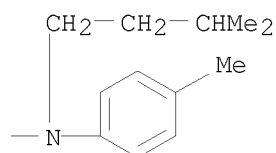
CN Benzenamine, 4,4'-(2,6-anthracenediylldi-2,1-ethenediyl)bis[N-(3-methylbutyl)-N-(4-methylphenyl)- (9CI) (CA INDEX NAME)

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MF      C54 H56 N2
SR      CA
LC      STN Files:      CA, CAPLUS, CASREACT
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PAGE 1-A



PAGE 1-B



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

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1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)
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L12 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2008 ACS on STN
RN 123833-95-4 REGISTRY
ED Entered STN: 17 Nov 1989
ITERATION INCOMPLETE
CN Tin, bis[N,N',N'',N''',N''',N''',N''',N''''-octaethyl-
N,N',N'',N''',N''',N''',N''',N''''-octaphenyl-29H,31H-
phthalocyanine-2,3,9,10,16,17,23,24-octaminato(2-)-N29,N30,N31,N32]- (9CI)
(CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 29H,31H-Phthalocyanine-2,3,9,10,16,17,23,24-octamine,
N,N',N'',N''',N''',N''',N''',N''''-octaethyl-
N,N',N'',N''',N''',N''',N''',N''''-octaphenyl-, tin complex
MF C192 H176 N32 Sn
CI CCS
SR CA
LC STN Files: CA, CAPLUS
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PAGE 1-B

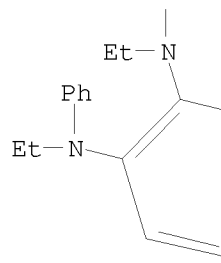
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PAGE 1-C

Ph

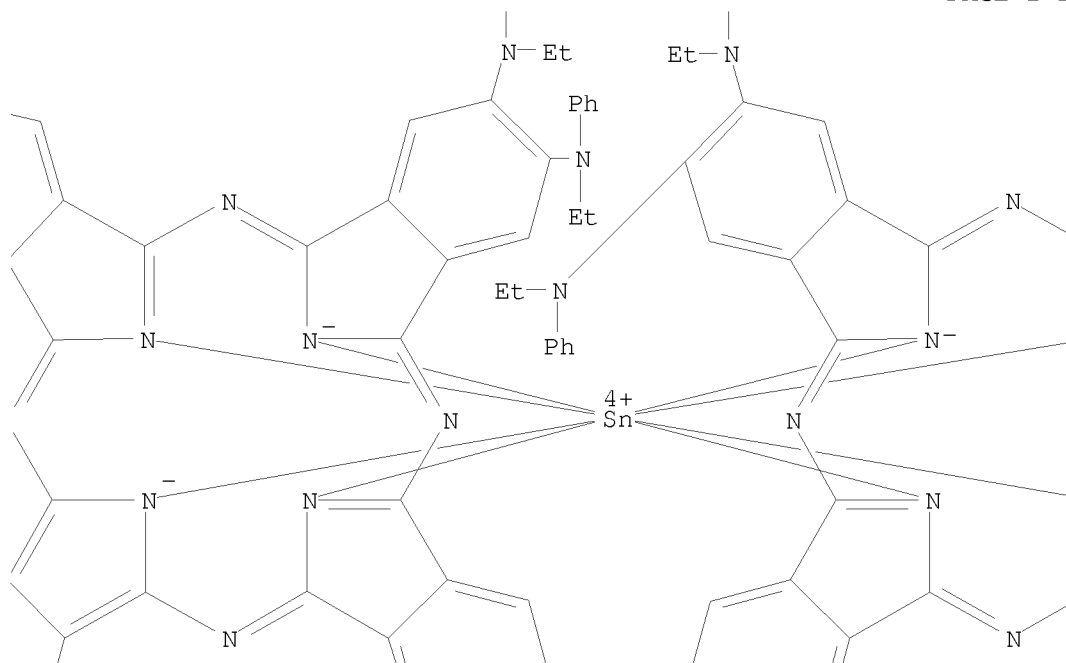
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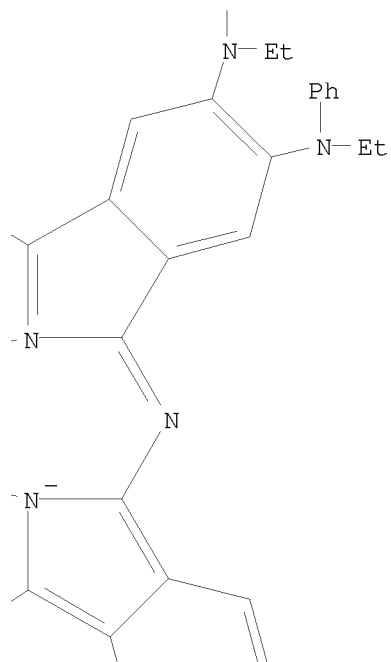
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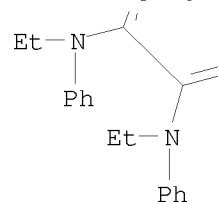
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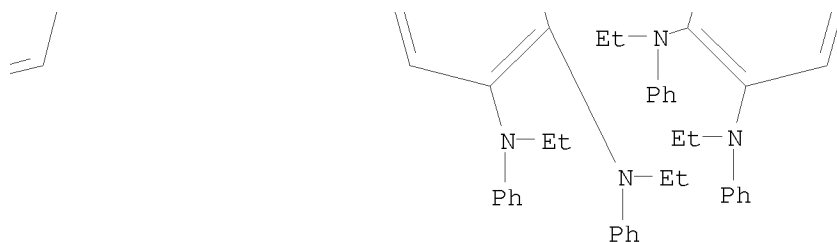
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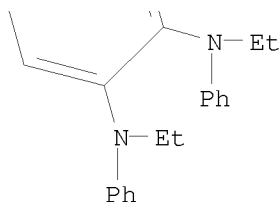
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PAGE 3-B



PAGE 3-C



1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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ENTRY	SESSION
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L13 2 L12

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L13 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 2005:619416 CAPLUS  
DN 143:248021  
TI Two-photon absorption properties of 2,6-bis(styryl)anthracene derivatives:  
Effects of donor-acceptor substituents and the  $\pi$  center  
AU Yang, Wen Jun; Kim, Dae Young; Jeong, Mi-Yun; Kim, Hwan Myung; Lee, Yun  
Kyoung; Fang, Xingzhong; Jeon, Seung-Joon; Cho, Bong Rae  
CS Molecular Opto-Electronics Laboratory Department of Chemistry and Center  
for Electro- and Photo-Responsive Molecules, Korea University, Seoul,  
136-701, S. Korea  
SO Chemistry--A European Journal (2005), 11(14), 4191-4198  
CODEN: CEUJED; ISSN: 0947-6539  
PB Wiley-VCH Verlag GmbH & Co. KGaA  
DT Journal  
LA English  
OS CASREACT 143:248021  
RE.CNT 59 THERE ARE 59 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L13 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 1989:644430 CAPLUS  
DN 111:244430  
OREF 111:40386h,40387a  
TI Diphthalocyanine near infrared light-absorber for optical recording medium  
IN Ito, Naoto; Nishizawa, Isao; Oguchi, Takahisa; Nakatsuka, Masakatsu;  
Enomoto, Tsuyoshi  
PA Mitsui Toatsu Chemicals, Inc., Japan; Yamamoto Kasei K. K.  
SO Jpn. Kokai Tokkyo Koho, 7 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	JP 01108265	A	19890425	JP 1987-262594	19871020
	JP 06015671	B	19940302		
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